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Northwestern State University of Louisiana



University Catalog 2013-14

DIRECTORY

Academic Colleges/Departments

College of Arts, Letters, Graduate Studies and Research
 The Graduate School
 Louisiana Scholars' College
 Mrs. H. D. Dear, Sr. and Alice Estelle
 Dear School of Creative and Performing Arts
 Criminal Justice, History, and Social Sciences
 Language and Communication
 Psychology
 Social Work

College of Nursing and Allied Health

Cenla
 Natchitoches
 Shreveport

College of Science, Technology, and Business

School of Business
 Biological and Physical Sciences
 Family and Consumer Sciences
 Mathematics and Engineering Technology
 Military Science

Gallaspay Family College of Education and Human Development

Educational Leadership and Technology
 Health and Human Performance
 Teaching and Learning

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 Student Affairs, Dean of Students
 Student Life
 Student Services/Conduct
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NORTHWESTERN STATE UNIVERSITY OF LOUISIANA

A Member of the University of Louisiana System

NATCHITOCHES, LOUISIANA 71497-0002

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UNIVERSITY CATALOG

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2013-2014

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This *University Catalog* presents the current curricula, educational plans, course offerings, requirements and policies of this University. The provisions described in this *Catalog* do not constitute an offer for a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change any curriculum, plan, course, requirement and policy and any other provision at any time during the student's period of study at the University.

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ACADEMIC CALENDAR 2013-2014

FALL 2013

AUGUST

19.....	Monday.....	semester begins/faculty on call
TBA.....		faculty institute
19-25.....	Monday-Sunday.....	regular registration via NSUConnect
21.....	Wednesday.....	advising ENGLAND AIR PARK/CENLA
21.....	Wednesday.....	advising FT. POLK
21.....	Wednesday.....	advising SHREVEPORT
22-23.....	Thursday-Friday.....	advising NATCHITOCHES
22.....	Thursday.....	New Student Orientation Meeting (9:00 AM)
24.....	Saturday.....	residence halls open for all students
25.....	Sunday.....	Freshman Convocation
26.....	Monday.....	first day of classes ALL CAMPUSES
26-Sept 4.....	Monday-Wednesday.....	late registration via NSUConnect (fee applies)

SEPTEMBER

2.....	Monday.....	Labor Day Holiday
4.....	Wednesday.....	final day to register, add courses, or make section changes
4.....	Wednesday.....	final day to drop a class and be refunded or have fees adjusted (16-week & A-term)
10.....	Tuesday.....	final day to appeal a grade from spring 2013
10.....	Tuesday.....	final day to remove "I" grade with approved 60-day waiver from spring 2013

OCTOBER

1.....	Tuesday.....	final day for undergraduate and graduate students to apply for fall 2013 graduation
7-8.....	Monday-Tuesday.....	Fall Break
9.....	Wednesday.....	classes resume at 8:00 AM
11.....	Friday.....	final day for removal of "I" grades from summer 2013
11.....	Friday.....	6-week grades to be entered by 11:55 p.m.
28.....	Monday.....	10-week grades due to be entered by 11:55 p.m.

NOVEMBER

4.....	Monday.....	final day to resign and drop courses with a grade of "W" or change from credit to audit (16-week courses)
25-30.....	Monday-Saturday.....	Thanksgiving Holiday

DECEMBER

2.....	Monday.....	classes resume (8 a.m.)
10.....	Tuesday.....	final day to appeal a grade from summer 2013
10.....	Tuesday.....	final day to remove "I" grade with approved 60-day waiver from summer 2013
11.....	Wednesday.....	last day of classes
11-18.....	Wednesday Evening-Wednesday.....	final examinations
12.....	Thursday.....	candidate grades due to be entered by 11:55 p.m.
19.....	Thursday.....	all grades due to be entered by noon residence halls close at noon
20.....	Friday.....	10:00 a.m. and 3:00 p.m. commencement exercises/semester ends

2013

AUGUST							SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
						1	2	3	4	5	6	7															1	2	3	4	5	6	7				
4	5	6	7	8	9	10							8	9	10	11	12	13	14							3	4	5	6	7	8	9	10	11	12	13	14
11	12	13	14	15	16	17							15	16	17	18	19	20	21							10	11	12	13	14	15	16	17	18	19	20	21
18	19	20	21	22	23	24							22	23	24	25	26	27	28							17	18	19	20	21	22	23	24	25	26	27	28
25	26	27	28	29	30	31							29	30												24	25	26	27	28	29	30	31				

ACADEMIC CALENDAR 2013-2014

SPRING 2014

JANUARY

6.....	Monday.....	semester begins/faculty on call
6-12.....	Monday-Sunday.....	regular registration via NSUConnect
8.....	Wednesday.....	advising ENGLAND AIR PARK/CENLA
8.....	Wednesday.....	advising FT. POLK
8.....	Wednesday.....	advising SHREVEPORT
9-10.....	Thursday-Friday.....	advising NATCHITOCHES
9.....	Thursday.....	new student orientation meeting (9:00 a.m.)
11.....	Saturday.....	residence halls open for all students
13.....	Monday.....	first day of classes ALL CAMPUSES
13-22.....	Monday-Wednesday.....	late registration via NSUConnect (fee applies)
20.....	Monday.....	Martin Luther King Holiday
22.....	Wednesday.....	final day to register, add courses, or make section changes
22.....	Wednesday.....	final day to drop a class and be refunded or have fees adjusted (16-wk & A-term)

FEBRUARY

18.....	Tuesday.....	final day for removal of "I" grades from fall 2013
26.....	Wednesday.....	6-week grades due to be entered by 11:55 p.m.

MARCH

1.....	Saturday.....	final day for undergraduate and graduate students to apply for spring 2014 graduation
3-4.....	Monday-Tuesday.....	Mardi Gras Holidays
5.....	Wednesday.....	classes resume at 12:00 noon
17.....	Monday.....	10-week grades due to be entered by 11:55 p.m.
24.....	Monday.....	final day to resign from all classes with a grade of "W," drop courses with a grade of "W," or change from credit to audit in 16-week courses

APRIL

14-21.....	Monday-Monday.....	Easter Holiday/Spring Break
22.....	Tuesday.....	classes resume (8 a.m.)
22.....	Tuesday.....	final day to appeal a grade from fall 2013
22.....	Tuesday.....	final day to remove "I" grade with approved 60-day waiver from fall 2013

MAY

1.....	Thursday.....	candidate grades due to be entered by 11:55 p.m.
2.....	Friday.....	last day of classes
2-9.....	Friday Evening-Friday.....	final examinations
9.....	Friday.....	10:00 a.m. and 3:00 p.m. commencement exercises
10.....	Saturday.....	residence halls close
12.....	Monday.....	all grades due to be entered by noon/semester ends

2014

JANUARY						
S	M	T	W	T	F	S
	1	2	3	4		
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

FEBRUARY						
S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

MARCH						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

APRIL						
S	M	T	W	T	F	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

MAY						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

ACADEMIC CALENDAR 2013-2014

SUMMER 2014

MAY

15-16.....	Thursday - Friday.....	advising for 12-week session
18.....	Sunday.....	final day to drop a class and be refunded or have fees adjusted for 12-week session
19.....	Monday.....	12-week session begins
19.....	Monday.....	dropping 12-week classes with a "W" begins via NSUConnect
22.....	Thursday.....	final day to register, add courses, make schedule changes for 12-week session
26.....	Monday.....	Memorial Day Holiday
29-30.....	Thursday - Friday.....	advising for 8-week and 1 st 4-week sessions

JUNE

1.....	Sunday.....	final day to drop a class and be refunded or have fees adjusted for 8-week and 1 st 4-week sessions
2.....	Monday.....	8-week and 1 st 4-week sessions begin
2.....	Monday.....	dropping classes with a grade of "W" begins via NSUConnect for 8-week and 1 st 4-week sessions
5.....	Thursday.....	final day to register, add courses, make schedule changes for 8-week and 1 st 4-week sessions
16.....	Monday.....	final day to resign from all courses or drop courses with a grade of "W" or change from credit to audit for 1 st 4-week session
26-27.....	Thursday-Friday.....	advising for 2 nd 4-week session
27.....	Friday.....	1 st 4-week session ends
30.....	Monday.....	2 nd 4-week session begins
30.....	Monday.....	dropping classes with a grade of "W" begins via NSUConnect for 2 nd 4-week session
30.....	Monday.....	all grades for 1 st 4-week session due to be entered by 11:55 p.m.

JULY

1.....	Tuesday.....	final day for undergraduate and graduate to apply for Summer 2014 graduation
3.....	Thursday.....	final day to register, add courses, make schedule changes for 2 nd 4-week session
4.....	Friday.....	Independence Day Holiday
7.....	Monday.....	final day to resign from all courses or drop courses with a grade of "W" or change from credit to audit for 8-week session
11.....	Friday.....	final day for removal of "I" grades from spring 2014
14.....	Monday.....	final day to resign from all courses or drop courses with a grade of "W" or change from credit to audit for 12-week and 2 nd 4-week sessions.
25.....	Friday.....	8-week and 2 nd 4-week sessions ends
28.....	Monday.....	all grades for 8-week and 2 nd 4-week sessions due to be entered by 11:55 p.m.

AUGUST

8.....	Friday.....	12-week session ends, residence halls close
8.....	Friday.....	all grades for 12-week session are due to be entered by 12:00 noon/semester ends

The Academic Calendar, with important dates and deadlines, is also published each semester in the Schedule of Classes. The Schedule of Classes is available online via the University Registrar's web page (<http://www.nsula.edu/registrar>) or via NSUConnect (<http://registrar.nsula.edu/nsuconnect/>).

2014

MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
				1	2	3	1	2	3	4	5	6	7													1	2
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12	3	4	5	6	7	8	9
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19	10	11	12	13	14	15	16
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26	17	18	19	20	21	22	23
25	26	27	28	29	30	31	29	30						27	28	29	30	31			24	25	26	27	28	29	30
																											31

GLOSSARY

Academic (Scholastic) load — the totals of semester hours of course work for which a student is registered in a semester or summer session.

Academic Catalog Year — catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer semesters.

Auditor — one who pays fees and registers for a class or classes as an observer only and receives no credit for it.

Cancellation — a process where all courses are removed from a student's academic record.

Concentration — an alternative track of courses within a Major or Option, account for at least 30 percent of the Major requirements.

Corequisite — concurrent requirement; usually a course or some other condition that must be taken or met at the same time as another course.

Curriculum — an officially approved combination of courses, satisfactory completion of which may lead to a degree or other goal.

Degree — the title of the award conferred on students upon completion of a unified program of study (e.g., Associate of Science, Bachelor of Arts).

Degree Designation — each authorized program at public institutions of higher education is listed in the Board of Regents' Inventory of Degree and Certificate Programs under the category "Degree Designation" (e.g., Bachelor of Science, Bachelor of Arts).

Degree Program — grouping of campus-approved courses and requirements (e.g., minimum GPA required, comprehensive examinations, English and Math proficiency) which, when satisfactorily completed by a student will entitle him or her to a degree.

Degree Subject Area — a primary discipline which constitutes the focus of a Degree Program. When a student satisfactorily completes a Degree Program, the student will be entitled to a degree in the appropriate subject area (e.g., Biology, History, Nursing).

Degree Title — the complete label of a Degree Program, consisting of a Degree Designation (e.g., Associate of Science) and the Degree Subject Area (e.g. Criminal Justice).

Dismissal — final termination, by proper University authority, of a student's enrollment in the University.

Elective — a course required in a curriculum without specific identification; the student "elects" the course to be taken. The area in which the elective must be chosen is sometimes specified.

Good Standing — the status of a student who is eligible to continue in or return to the University.

Graduate Student — a student who has received a baccalaureate degree and has been officially admitted to Graduate Studies.

Major — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s). The name of the Major is usually consistent with the Degree Subject Area. A Major usually consists of 25 percent or more of total hours required in an undergraduate curriculum.

Minor — that part of a Degree Program which consists of a specified group of courses in a particular discipline(s) or field(s), consisting usually of 15 percent or more of total hours required in an undergraduate curriculum.

Overall Cumulative Grade Point Average — obtained by dividing the total number of quality points by the total number of quality hours.

Prerequisite — a requirement that must be satisfied, often registration in another course, before a student can take a course.

Quality Hours — the credit hour value of the course.

Quality Point — a numerical value assigned to each of the letter grades A through F. The grade of A is valued at four quality points for each semester hour of credit in the course. B is three points per hour, C is two, and D is one. A grade of F has a quality point value of zero. These values are used in calculating a student's "grade point average" and academic standing.

Registrar — the University official responsible for compiling and keeping secure the official records of each student's scholastic achievement. The Registrar's Office is a principal source of information and advisement on matters such as registration, scheduling, and academic standing.

Residence Requirement — a requirement that students pursuing undergraduate or graduate degrees at NSU must earn a specified number of semester hours in regularly scheduled coursework. For the baccalaureate degree, students must earn at least 25 percent of the semester hours required for the degree through instruction at NSU.

Resignation — a student's voluntary termination of enrollment in all classes which is carried out in accordance with University procedures.

Scholastic probation — status of a student who is not doing satisfactory work in classes as specified elsewhere in this catalog.

Semester Average — a student's grade-point average based on the total number of quality points earned divided by total number of quality hours in a given semester.

Semester hour — the numerical value of a course usually based on the number of hours spent in the class per week in a regular session. A credit or semester hour generally represents one hour of class work a week.

Suspension — temporary denial to a student, by proper University authority, of permission to register for classes at NSU.

Transfer student — one who has attended another college or university prior to entering NSU.

THE UNIVERSITY

HISTORY

Northwestern State University of Louisiana stands on ground that has been dedicated to learning for well over a hundred years. Prior to the Civil War a portion of the present campus was the property of the Bullard family of Natchitoches. As early as 1856 the Bullard mansion was in use as a convent by the Religious Society of the Sacred Heart. The following year a school building was erected at the convent, and in 1884 the property was purchased by the town and parish of Natchitoches. Three of the four great white columns that once supported the east gable of the Bullard mansion still stand on "The Hill" and often serve as the unofficial symbol of the University.

The State Legislature by Act 51 of 1884 created a Louisiana State Normal School for the preparation of teachers. A member of the Legislature, Leopold Caspari, offered the convent site as a campus for the School with the anticipated approval of the citizens of Natchitoches. The offer was accepted, and from 1885 to 1918 the Normal School offered two years of study for the training of teachers. Baccalaureate programs were then inaugurated, and the State Constitution adopted in 1921 changed the name of the school to Louisiana State Normal College.

The resources and curricula of "Normal" grew steadily to meet the increasingly diverse requirements of Louisiana's expanding population. In 1944, the Institution's excellent service in its broader role was accorded formal recognition in Act 326 of the Legislature, which changed its name to Northwestern State College of Louisiana.

Northwestern maintained and strengthened its long tradition of leadership in public service and academic endeavor and became, in 1954, the first college under the jurisdiction of the Louisiana State Board of Education to offer the Master's degree. The Educational Specialist degree was first offered in 1966.

On June 18, 1970, Governor John J. McKeithen signed the legislative act which brought the old school its greatest distinction by changing its title to Northwestern State University of Louisiana.

In 1980 the old campus quadrangle where the columns stand was entered into the National Register of Historic Places under the title "Normal Hill Historic District."

In 1984, Northwestern State University celebrated its Centennial with lectures, concerts, social events, and an effective fund-raising effort that established the Centennial Development Fund. In addition to the main campus in Natchitoches, the University maintains full-service campus centers in Shreveport, Leesville, and Alexandria and offers instruction at eight continuing education sites in the central and northwest areas of the State.

LOCATION

The main University campus covers an area of some 916 acres immediately west of Natchitoches, Louisiana. The city is in the northwestern part of the state about 50 miles northwest of Alexandria and 75 miles southeast of Shreveport, Louisiana's third largest city.

The campus, encompassing rolling pine hills and rich river bottom land, is one of the most spacious and attractive in the South. The natural beauty of the site drew people to it even in prehistoric times. Long the home of a major Indian tribe for which it was named, Natchitoches was fortified by the French

in 1714 as an outpost of their New World empire facing Spanish Texas to the west. The city today takes pride in its standing as the oldest permanent settlement in the entire Louisiana Purchase Territory. Although the fires of Civil War scarred the Cane River Country, Natchitoches escaped relatively unharmed, and many traces of its colonial and antebellum heritage remain.

Now a city of about 25,000, Natchitoches has an excellent system of public schools, numerous churches, a large modern hospital, and a progressive municipal government. Situated on the banks of the beautiful Cane River, Chaplin's, and Sibley lakes, and lying in the heart of Louisiana's lake and forest country, the city may be described as colorful and unique.

The Nursing Education Center at 1800 Line Avenue in Shreveport is the residential campus for the Department of Undergraduate Studies in Nursing and Graduate Studies and Research in Nursing. The Nursing Education Center is composed of institutional facilities including instructional areas and administrative/faculty offices. The College of Nursing and Allied Health also provides academic and staff services to support clinical experiences and degree offerings at the NSU campus centers in Alexandria and Leesville.

The Northwestern State University Center at Fort Polk is on LA Highway 467, approximately midway between Leesville and the main gate of Fort Polk. It occupies 160 acres of land deeded to NSU by the United States Army.

The Northwestern State University CENLA Campus Center serves the central Louisiana area with select degree programs through the Learning Center for Rapides Parish (LCRP). The LCRP, managed by the Louisiana Board of Regents, is a consortium of postsecondary institutions partnering to expand educational offerings in the area. The academic facility is located within the England Industrial Airpark & Community in Alexandria and is easily accessible to major highways connecting the various parishes of central Louisiana.

MISSION

Northwestern State University is a responsive, student-oriented institution that is committed to the creation, dissemination, and acquisition of knowledge through teaching, research, and service. The University maintains as its highest priority excellence in teaching in graduate and undergraduate programs.

Northwestern State University prepares its students to become productive members of society and promotes economic development and improvements in the quality of life of the citizens in its region.

VISION

Northwestern State University strives for educational quality through excellence in teaching and research, innovative use of technology, and exceptional service to students and other constituencies.

The University seeks to attract and develop outstanding students and faculty and to provide them with the resources needed to promote optimal learning and service.

By maintaining a student-oriented environment, Northwestern will offer challenging and rewarding academic experiences augmented and enriched with opportunities for cultural, social, athletic, and other extracurricular activities. The essence of this student-oriented environment will be the

University's commitment to create a cooperative atmosphere in which faculty, staff, and students treat each other with dignity and respect and recognize the value and worth of all individuals.

Electronic learning and distance education will be an integral part of Northwestern's role in delivering degree programs and effective services on campus and throughout Louisiana, the nation, and the world.

Northwestern will be responsive to changing views and trends as it works to provide a highly-qualified workforce to promote economic development and to meet the needs that higher education can provide to students, state government, private enterprise, and society.

VALUES

Northwestern recognizes the value of all individuals and strives to create a climate in which faculty, staff, and students treat each other with dignity and respect in an effort to provide students the opportunity to achieve success. The University's desire is to retain and graduate students who are satisfied with, and motivated and enriched by, the quality of education and services that they receive at Northwestern.

GOALS

- To create and maintain a responsive, student-oriented environment.
- To provide programs, services, and operations throughout the University of high quality and effectiveness.
- To enhance institutional viability through effective enrollment management.
- To promote economic development, community service, and an improved quality of life in the region.

ACCREDITATION

Northwestern State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia, telephone number 404-679-4500) to award associate, baccalaureate, master's, and specialist's degrees. It is a member in good standing of the Association of American Colleges and also of the American Association of Colleges for Teacher Education.

All degree programs at the bachelor's level in education and those leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education. The Graduate School is a member of the Council of Graduate Schools in the United States.

The Associate of Science in Nursing, the Bachelor of Science in Nursing and the Masters of Science in Nursing programs are approved by the Louisiana State Board of Nursing. The Associate of Science in Nursing is accredited by the National League for Nursing Accrediting Commission (NLNAC). The Bachelor of Science in Nursing and the Master of Science in Nursing programs are accredited by the Commission on Collegiate Nursing Education (CCNE). The Bachelor of Science program in Radiologic Sciences is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT).

The Master of Science degree in Psychology, Clinical is accredited by the Masters in Psychology Accreditation Council.

Baccalaureate degree programs in the School of Business are accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

The Fine and Graphic Arts program is accredited by the National Association of Schools of Art and Design (NASAD).

All degree programs in music are accredited by the National Association of Schools of Music (NASM). The baccalaureate degree in Theatre is accredited by the National Association of Schools of Theatre (NAST).

All degree programs in Family and Consumer Sciences are accredited by the American Association of Family and Consumer Sciences.

Electronics and Industrial Engineering Technology degree programs are accredited by the Technology Accreditation Commission of ABET. The baccalaureate degree program in Computer Information Systems is accredited by the Association to Advance Collegiate Schools of Business International (AACSB).

The Social Work program is accredited at the bachelor's level by the Council on Social Work Education.

The Veterinary Technology program is accredited by the American Veterinary Medical Association.

COMMITMENT TO EQUAL EMPLOYMENT OPPORTUNITY

It has been, and will continue to be, the policy of Northwestern State University to be an equal opportunity employer.

In keeping with this policy, the University will continue to recruit, hire, train, and promote into all job levels the most qualified persons without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran or retirement status. All personnel actions, such as compensation, benefits, transfers, layoffs, training, and education are administered without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran or retirement status.

The University is committed to providing access to educational programs, tuition assistance, and social and recreational activities for all students without regard to race, color, religion, creed, sex, age, national origin, disability, or veteran status.

In addition, the University is committed to equal opportunity for student success by providing access to educational programs, tuition assistance, and social and recreational activities for all students without regard to race, color, gender, religion, sexual orientation, national origin, disability, genetic information, age, veteran or retirement status.

EUGENE P. WATSON MEMORIAL LIBRARY

Eugene P. Watson Memorial Library is a three-story modular structure with a floor area of approximately 95,000 square feet. The library collection consists of 250,000 books, 458,000 government documents, 5,500 audio visual items, and 50,000 journals, newspapers, and magazines available in print, electronically, and through full-text databases. The first floor has twelve computers to access the online catalog, electronic resources, and databases, a student technology fee computer lab, and two classrooms for library instruction. Students may contact the reference staff in person, via telephone, or through text messaging. Students may schedule research consultations for help with research. The Fleming Thomas-Jean D'Amato Reading Room, second floor, provides a comfortable place for study complete with vending machines. Six group study rooms are located on the second floor. Third floor houses the administrative office, the serials-media center, and the Cammie

G. Henry Research Center. The serials-media center provides scholarly journals, magazines, newspapers, microforms, CDs, and DVDs. The Cammie G. Henry Research Center has the Louisiana Collection, Rare Books, and archives. The branch library in the Nursing Education Center in Shreveport is dedicated to medical and nursing resources. The branch at Ft. Polk/Leesville houses a general collection. The library and both branches are part of the LOUIS (Louisiana Online University Information System) consortium made up of all the academic libraries in the state. The consortium provides over 70 databases many of which are full text. For additional information about the library, please see the library web page at <http://library.nsula.edu>.

WILLIAMSON MUSEUM

The Williamson Museum was founded by the NSU Alumni Association in 1921. Its name honors the late George Williamson, former Professor of Biology, who donated his extensive and invaluable collections to the Museum. It is the official state and federal repository for archaeological collections from northwestern Louisiana.

Specializing in the anthropology and geography of Louisiana and adjacent areas, the Museum strives to meet the informational and research needs of students, faculty, and the general public. Study collections are available to qualified researchers. Exhibits are open during normal school hours.

Museum facilities in Kyser Hall comprise a spacious exhibit hall, storerooms, research laboratory, Curator's office, and lecture room.

CREOLE HERITAGE CENTER

The purpose of the Creole Heritage Center is to promote, foster, and engage in activities and endeavors that relate to Creoles and their culture. There are numerous Creole groups in Louisiana, including 28 currently identified communities. The Creole Center serves as a central clearinghouse and information bank for these communities and for those seeking knowledge, understanding, and appreciation of Creoles and their culture. It also functions as an office of support to national Creole communities and organizations, offering advice and assistance in matters that affect Creoles.

THE NORTHWESTERN STATE UNIVERSITY PRESS

The Northwestern State University Press, created in 1978, specializes in works which contribute to a greater knowledge and understanding of the state and region.

The imprint is controlled by the Director of the Press. Communications should be addressed to the Director, Northwestern State University Press, P.O. Box 5305, Northwestern State University, Natchitoches, LA 71497-0002.

THE SOUTHERN STUDIES INSTITUTE

Principal objectives of the Southern Studies Institute are encouragement of original research and publication of studies in fields which contribute to a greater knowledge and understanding of the South and its regional setting. The Institute publishes *Southern Studies: An Interdisciplinary Journal of the South*. Communications and manuscript submissions should be addressed to the Managing Editor, Southern Studies, Northwestern State University, Natchitoches, LA 71497-0002.

LOUISIANA FOLKLIKE CENTER

The Louisiana Folklife Center was established in 1976 at NSU to identify, document, and present Louisiana's traditional arts. The center has established a number of vehicles to accomplish its goals. In the summer the center presents the Natchitoches/NSU Folk Festival in Prather Coliseum. During the academic year, the center publishes *Louisiana Folklife*, produces and distributes documentary records, provides logistical support for the Folklife Society of Louisiana, and maintains a folklife archive. The center also hosts a variety of conferences dealing with various aspects of Louisiana culture and maintains both the Louisiana Folklife Database and a World Wide Web site for Louisiana Folk Artists. Additionally, the Louisiana Folklife Center houses one of the five Division of Arts funded Regional Folklorists. The Regional Folklorist documents Northwest Louisiana and the Neutral Strip. The Regional Folklorist also maintains the statewide Folk Artist database. The center offers a library including folklife materials, over 2,000 hours of interviews and audio recordings from the Natchitoches/NSU Folk Festival, and support for those wishing to study Louisiana Folk Culture.

DEGREES OFFERED AT THE UNIVERSITY

ASSOCIATE

Associate Degree (A.D.)

- Veterinary Technology

Associate of General Studies (A.G.S.)

- General Studies, with concentrations in: child development, radiologic sciences

Associate of Science in Nursing (A.S.N.)

- Nursing

BACCALAUREATE

Bachelor of Applied Science (B.A.S.)

- Allied Health, with concentration in: health science and technology

Bachelor of Arts (B.A.)

- Communication, with concentrations in: mass communication, organizational communication, rhetoric
- Criminal Justice, with concentration in: pre-law and paralegal studies
- English, with concentrations in: film studies, folklife-southern culture, literature, professional writing
- History
- Liberal Arts, with concentrations in: entertainment technology, ethnoarchaeology, fine and performing arts, foreign language, geography, humanities and social thought, international relations, philosophy, politics, and law, scientific inquiry, social issues
- Organizational Leadership, with concentration in: unified public safety administration

Bachelor of Fine Arts (B.F.A.)

- Fine and Graphic Arts, with concentrations in: graphic communication, studio art

Bachelor of General Studies (B.G.S.)

- General Studies, with concentrations in: arts and communication, computer and natural science, creole studies, professional studies, social science

Bachelor of Music (B.M.)

- Music, with concentrations in: music business, performance, sacred music

Bachelor of Music Education (B.M.E.)

- Music Education-Instrumental, Grades K-12
- Music Education-Vocal, Grades K-12
- Music Education-Vocal/Instrumental, Grades K-12

Bachelor of Science (B.S.)

- Accounting
- Addiction Studies
- Biology, with concentrations in: bioinformatics, biomedical, clinical laboratory science, forensic science, natural science, veterinary technology
- Business Administration, with concentrations in: finance, management, marketing
- Computer Information Systems
- Early Childhood Education, Grades Pre-K-3
- Electronics Engineering Technology, with concentrations in: biomedical, electronics
- Elementary Education, Grades 1-5
- Family and Consumer Sciences, with concentrations in: child development and family relations, consumer services

- Health and Exercise Science, with concentration in: health science
- Health and Physical Education, Grades K-12
- Hospitality Management and Tourism, with concentrations in: culinary arts, hospitality services, travel and tourism
- Industrial Engineering Technology
- Mathematics, with concentration in: healthcare informatics
- Physical Sciences
- Psychology, with concentrations in: prevention specialist, substance abuse
- Radiologic Sciences
- Secondary Education and Teaching, with concentrations in: biology education, business education, English education, mathematics education, social studies education
- Theatre, with concentrations in: dance performance, design/technology, musical theatre performance, performance/directing
- Unified Public Safety Administration, with concentrations in: law enforcement administration, fire and emergency medical services administration, emergency management administration, public facilities management

Bachelor of Science in Nursing (B.S.N.)

- Nursing

Bachelor of Social Work (B.S.W.)

- Social Work

GRADUATE

Master of Arts (M.A.)

- Adult Education, with concentrations in: continuing education, homeland security, technology management
- Art
- Counseling, with concentrations in: clinical mental health counseling, school counseling
- English, with concentrations in: folklife/southern culture, literature, teaching English to speakers of other languages, writing and linguistics, on-line
- Student Affairs in Higher Education

Master of Arts in Teaching (M.A.T.)

- Early Childhood Education Grades PK-3, with a concentration in: professional studies
- Elementary Education Grades 1-5, with a concentration in: professional studies
- Elementary Education & Special Education Mild/Moderate, Grades 1-5, with a concentration in: professional studies
- Middle School Education Grades 4-8, with a concentration in: professional studies
- Middle School Education & Special Education Mild/Moderate, Grades 4-8, with a concentration in: professional studies
- Secondary Education Grades 6-12, with a concentration in: professional studies
- Secondary Education & Special Education Mild/Moderate, Grades 6-12, with a concentration in: professional studies

Master of Education (M.Ed.)

- Curriculum and Instruction, with concentrations in: English as a second language (ESL), English education, professional teaching standards for the teacher leader, reading, school librarian, transition to teaching
- Early Childhood Education
- Educational Leadership
- Educational Technology Leadership, with concentrations in: educational technology leadership for k-12, educational technology leadership for workforce development
- Special Education, with concentrations in: early intervention, gifted education, elementary (grades 1-5) mild/moderate special education, middle school (grades 4-8) and secondary (grades 6-12) mild/moderate special education

Master of Music (M.M.)

- Music, with concentrations in: music education, performance

Master of Science (M.S.)

- Psychology, Clinical, with concentration in: substance abuse
- Health and Human Performance, with concentrations in: health promotion, physical education, sport administration
- Homeland Security
- Radiologic Sciences, with concentrations in: radiologic sciences education, radiologic sciences administration

Master of Science in Nursing (M.S.N.)

- Nursing, with concentrations in: adult-gerontology acute care nurse practitioner, adult gerontology nursing, adult gerontology critical care nursing, family nurse practitioner, maternal child and family nursing, primary care pediatric nurse practitioner, women's health nurse practitioner

Educational Specialist (Ed.S.)

- Educational Leadership & Instruction, with concentrations in: educational leadership, educational technology, special education

SCHOLASTIC HONORS PROGRAMS

University Honors Program

The University Honors Program offers those students who demonstrate superior intellectual potential an additional intensive and enriched academic experience. Academic areas offering Honors curricula include the *School of Business*, the *Department of Biological and Physical Sciences*, the *School of Creative and Performing Arts*, the *Department of Psychology* and the *College of Nursing & Allied Health*. Many other departments will be offering honors curricula in subsequent semesters.

Northwestern's Honors Program is not a separate degree program. Honors Program students have the opportunity to select courses that will augment their chosen degree program. Honors courses will fit seamlessly into the student's degree program as either a required course or as elective credit.

Admission Requirements:

New students:

- ACT requirement will be 25.
- Regents Core curriculum must meet a minimum of a 3.2 GPA.

Provisional admission for incoming students:

Students may be provisionally admitted into the Honors Program with one deficiency:

- ACT of 23 or 24 and a minimum 3.2 GPA
OR
- ACT of 25 with a minimum 3.0 GPA

Students admitted provisionally must maintain a minimum 3.0 GPA during their first semester and must present a letter of support from any Northwestern faculty member at the end of the first semester. For transfer students, participation in the Honors Program requires 30 hours of completed college-level work with a 3.25 or greater GPA.

Continuing students:

- Must have earned a 3.25 overall GPA in a minimum of thirty hours.

Requirements for all students participating in the Honors Program:

Students participating in the Honors Program must maintain a cumulative 3.25 GPA. They must earn no grade lower than a "C" within the Honors Curriculum and must not earn more than 2 (two) grades of "C" in the Honors Curriculum. To graduate from the Honors Program students must have a minimum 3.25 GPA.

Courses with an Honors designation will be completed via contract between the student and the course instructor.

There are two paths for participation in the Honors Program. The first applies to incoming freshmen who will choose 12 lower-level and 12 upper-level Honors courses. The second is designed for existing students who wish to have Honors designation on the transcript. They must complete 24 upper-level honors courses, of which at least 12 hours must be in their major.

For more information on the Honors Program, students should contact the honors advisor in the department/school of their major or the College of Arts, Letters, Graduate Studies and Research.

Louisiana Scholars' College Honors Program

Northwestern State University is home to the Louisiana Scholars' College, the state's designated selective-admissions honors college in the liberal arts and sciences. The broad, multidisciplinary focus of the Scholars' College offers students of superior scholastic ability the opportunity to develop an individualized degree program of enhanced academic rigor or the chance to pursue a traditional major in the Colleges of Arts, Letters, Graduate Studies and Research, Education and Human Development, Nursing and Allied Health, or Science, Technology and Business coupled with a comprehensive, four-year, integrated course of study in the liberal arts and sciences. While the program is academic in focus, Scholars' College students, faculty, and staff form a distinct community on campus, and freshmen reside in the College's honors dormitory.

Incoming students whose standardized test scores (ACT or SAT) indicate high scholastic ability will be invited to apply for admission by the Director of the College. Inquiries and applications from others that feel qualified for admission are welcome. Transfer applications will be considered.

For more information on the College's curriculum, please refer to the listing in this catalog for the Louisiana Scholars' College. In general, courses in the College's Common Curriculum are open only to students enrolled in the Scholars' College. However, the College does offer accelerated study in French, Latin, and Spanish to all NSU students. Advanced courses in all disciplines are open to qualified students.

Northwestern's International Programs

Courses are offered by the University at international study sites, usually during the summer, with instruction by regular Northwestern faculty members. Academic classes and sites vary each year.

The University is a member of the International Student Exchange Program (ISEP), a network of 230 institutions of higher education that exchange students between the United States and 33 countries around the world, including members from Africa, Asia, Australia, the British Isles, Canada, Europe and Latin America. Through ISEP, students at NSU may be placed at member institutions abroad. ISEP participants are fully matriculated at their host institutions and enroll in courses and sit for examinations with regularly enrolled students. ISEP exchange can take place in most academic disciplines and at any academic level. Students who choose to study at a host institution where the language of instruction is not English will be required to demonstrate proficiency in the foreign language. ISEP exchanges normally last for a full academic year, but some institutions make one-term or summer exchanges available. Students can apply to extend their exchange period in certain circumstances for as long as an additional academic year.

ISEP students pay regular tuition and fees (including room and board) at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarships can be applied toward participation in ISEP. Credit earned in the ISEP program can be applied toward a degree at NSU. In some cases, enrollment in a degree program at an ISEP host institution can be arranged.

Additional information about the program can be obtained from the ISEP Coordinator, Dr. Steve Horton, 101 Roy Hall.

Northwestern is a member of The Council for the Development of French in Louisiana (CODOFIL), and the Interuniversity Mission for the Coordination of Franco-American Exchanges (MICEFA), which provide opportunities for the training of teachers of French (K-12) and other exchanges, particularly those emphasizing intensive study of French at institutions in France and in French territories. Proficiency in French is required. Students pay regular tuition and fees at NSU and receive equivalent benefits at their host institution. Most forms of financial aid and many scholarship packages can be applied toward participation in these programs. Credit earned can be applied toward a degree at NSU. Additional scholarship support from the government of France is available to qualified students.

Additional information about the program can be obtained from NSU's CODOFIL representative, Dr. Lisa Wolffe, 120 Morrison Hall.

As part of the Classical Consortium of the University of Louisiana System, Northwestern is a member of the Intercollegiate Center for Classical Studies in Rome (ICCS), providing students with an opportunity to study ancient history

and archeology, Greek and Latin literature, and ancient art in Rome during the academic year. A background in Greek or Latin is required. Students take 16 to 20 hours per semester and receive credit from Duke University, which can be applied toward a degree at NSU. Most forms of financial aid can be applied toward participation in this program.

Additional information about the program can be obtained from the ICCS Coordinator, Dr. T. Davina McClain, 110 Morrison Hall.

The International Baccalaureate Diploma Programme (IB)

Students of the International Baccalaureate Diplomas Programme who hold the IB diploma and pass the Higher Level subject exams with certain minimum scores are eligible to receive credit on the basis of such exams. The official International Baccalaureate transcript is required in order to award credit. All IB students can avail themselves of a dedicated IB advisor at Northwestern until they select an advisor in their major.

Additional information about the program can be obtained from Dr. Keith Dromm, 205 Morrison Hall or email drommk@nsula.edu.

National Student Exchange (NSE)

Northwestern State University is a member of the National Student Exchange (NSE) which is a domestic exchange program of over 180 member institutions. There are exchange partners in nearly every state in the U.S., some in Canada, the Virgin Islands, Puerto Rico, Alaska, Hawaii and Guam. Students can exchange with another NSE member university for up to one academic year. During the exchange, students have a chance to experience life in another part of the country while earning credit toward graduation. Students work with an advisor to see what courses will transfer and are beneficial to their major. NSE has been an active program for over 40 years and served thousands of students. Additional information about NSE can be obtained from Dr. Keith Dromm, 205 Morrison Hall or email drommk@nsula.edu. Visit www.nse.org for more information.

Cooperative Occupational Work Program

Northwestern State University has a Cooperative Occupational Work Program whereby students can gain on-the-job practical training while they pursue their formal education. University credit, as well as pay, is earned by the students as they participate in these institutionally planned and supervised work experiences.

For further information contact The Office of Cooperative Education, Northwestern State University, Natchitoches, Louisiana 71497-0002 or telephone (318) 357-5715.

ADMISSION TO THE UNIVERSITY

Note: Anyone interested in entering the Graduate School should refer to the Graduate School section of this catalog.

Campus Visits and Recruiting

While interviews are not required for admission to NSU, prospective students are urged to visit the campus. A campus tour itinerary will be designed to meet your specific needs and may include visits with admissions, financial aid counselors, faculty advisors, and staff. Persons interested in seeking personal assistance in attending or visiting NSU may contact University Recruiting by e-mail at admissions@nsula.edu, by phone toll-free at 1-800-327-1903, or mail to University Recruiting, NSU, Natchitoches, LA, 71497. Office hours are Monday-Thursday 8:00 a.m. to 4:30 p.m., and Friday 8:00 a.m. to 12:00 p.m. (except holidays).

Undergraduate Admission

Persons with questions about admission processing or admit status should call (318) 357-4078 or 1-800-767-8115, e-mail applications@nsula.edu, visit our web page at <http://admissions.nsula.edu>, or write to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, Louisiana 71497.

All applicants are encouraged to apply before the scheduled deadline dates and should have all credentials (college transcripts, ACT or SAT scores, Immunization Record, etc.) submitted to the Office of Admissions for admission review. The Student Transcript System (STS) will be used to obtain the official transcript for Louisiana high school graduates of years 2003 to present. Out-of-state freshmen and Louisiana graduates prior to 2003 must have their final official transcript sent from the high school to NSU. Male applicants who will be between the ages of 18 and 25 by registration must submit proof of registration with Selective Service. All re-enrolling NSU students who have not been enrolled for the previous three semesters (including summer) must submit an application for re-admission and the application fee.

Application deadlines are:

- July 6 for fall
- November 2 for spring
- April 5 for summer

Northwestern will enforce the application deadline for all undergraduate applications. In addition, all credentials (official transcripts, ACT or SAT scores, etc.) must be in the Office of Admissions by the deadline dates.

Credential deadlines are:

- July 27 for fall
- November 16 for spring
- April 19 for summer

Any student who submits an application after the stated deadline will be considered on a case-by-case basis only. If a late application is accepted, the applicant may have to register late and pay a late registration fee.

Application Fee

- An application fee of \$20 (\$30 for international students) must be submitted with the application for admission.
- The application fee is non-refundable and is not applied toward any other fees.

- Any student who has not attended NSU for three consecutive semesters (fall, spring, & summer) must re-apply for admission and pay the application fee.

Admission of Current High School Students

Under certain conditions, some students may be admitted to Northwestern prior to graduation from high school. Three programs are available:

A. Collegiate Program

Northwestern State University invites talented high school students to enroll part-time (maximum of 6 credit hours) in the University as a means for enriching their educational experiences and, at the same time, earning credits which may be applied toward a degree upon graduation from high school. The Collegiate Program is available during each school session—fall and spring semesters and the summer term. Students pursue regular University courses. The courses for which a student may register will be based upon ACT scores, high school courses completed, high school courses still available to the student, and the student's vocational goal.

Eligibility: The student must:

1. Have at least a 3.0 overall grade point average at the end of his/her junior year of high school and need no more than three units for graduation.
2. Have the recommendation of his/her high school principal and rank in the upper quartile of his/her class.

All students in the program are required to pay the usual University fees. Room and board are available for students in the program in the University facilities during the summer term, but not during the fall and spring semesters.

Applications for participation in the program should be submitted at least two weeks prior to the date of enrollment. To apply, students must submit completed applications (collegiate and undergraduate) with a \$20 application fee, immunization records, and official six or seven semester high school transcripts, and have ACT scores reported to Northwestern from ACT. *

- * Students who wish to participate in the collegiate program should take the ACT Assessment no later than February of their junior year.

Applications for admission and correspondence regarding the Collegiate Program should be addressed to:

Office of Admissions
Northwestern State University
444 Caspari Street
Natchitoches, LA 71497

B. Early Admission Program

Northwestern State University offers an opportunity for high-ability secondary school students who have completed six semesters of secondary school to enroll at the University as full-time students. Upon earning twenty-four (24) semester hours of college credit, the student will be granted a high school diploma.

To be eligible for early admission to Northwestern State University a student must:

1. Complete six semesters of high school with a B or better average.

2. Have an ACT composite score of at least 25, and
3. Be recommended by his/her high school principal.

To be admitted to the program, eligible students must complete and return an application for admission to Northwestern and a recommendation for Early Admission (this form must be completed in triplicate and each copy signed by both the student and his/her high school principal. All copies of this form and a six semester high school transcript must be mailed by the principal).

As soon as all the forms, properly completed, and an official report of ACT scores sent from ACT, have been received, the recommendation forms will be approved by the University and one copy will be returned to the applicant and one to the principal. An approved recommendation will constitute notification of acceptance. All appropriate University fees shall apply.

Applications and inquiries about Early Admission should be addressed to:

Office of Admissions
Northwestern State University
444 Caspari Street
Natchitoches, LA 71497

C. Louisiana Early Start Program

I. General criteria

1. Student must be at least 15 years of age and currently enrolled in 11th or 12th grade at a public Louisiana high school.
2. Student must have either PLAN or ACT (or SAT) on file at the high school.
3. Student must be in good standing as defined by the high school and meet the college/university enrollment criteria.
4. Student must have permission from the high school and his/her parent/guardian to participate.
5. Student must be enrolled in a college course for which dual credit (both college and high school credit) is attempted and recorded on both the student's secondary and postsecondary academic record.
6. Student may enroll in a maximum of 3 credit hours per semester/term, up to 6 credit hours per academic year, with Early Start funding. (The student is responsible for additional enrollment costs if exceeding the 3 credit hours/semester limit, even if the student enrolls in more than one college or university.) A dual-enrolled student is expected to follow the same withdrawal deadlines as any other undergraduate student in the college or university.
7. To continue enrollment in subsequent semesters/terms through this funding opportunity, student must have successfully completed (earned a college grade of A, earn less than C or who withdraw/resign from a B, C or P) current dual credit courses. Students who course may not enroll in the following semester or term with Early Start funding. Limited, documented exceptions for continuation after withdrawal may be granted by the college/university.
8. Continued state funding is not guaranteed. These criteria are subject to change.

II. Eligibility criteria to enroll in a College Level, Degree Credit Course

1. College Level, Degree Credit Course: A course in an academic subject that generates postsecondary

institutional credit and appears (a) as a General Education course on the current Board of Regents' Master Course Articulation Matrix (public institutions) or (b) on a list of general education courses approved by the Board of Regents (for LAICU institutions).

2. Student must be on track for completing (a) the Regents/TOPS high school core (if graduating in 2011) or (b) the Louisiana Core 4 Curriculum (if graduating in 2012 and beyond).
3. Student must have a PLAN or an ACT Composite score of at least 18 (or SAT equivalent).
4. To enroll in an entry level, college level English course, a student must (a) have a PLAN or ACT English sub-score of at least 18 (or SAT equivalent) or (b) meet the postsecondary institution's pre-requisite requirements.
5. To enroll in an entry level, college level mathematics course, a student must (a) have a PLAN or ACT mathematics sub-score of at least 19 (or SAT equivalent) or (b) meet the postsecondary institution's pre-requisite requirements.

III. Eligibility criteria to enroll in an Enrichment/Developmental Course

1. Enrichment/Developmental Course: An English or mathematics course that generates postsecondary institutional credit, but not degree credit, and is designed to prepare the student for college-level instruction.
2. Student must be a 12th grader/senior on track for completing (a) the Regents/TOPS high school core (if graduating in 2011) or (b) the Louisiana Core 4 Curriculum (if graduating in 2012 and beyond).
3. Student must have a PLAN Composite score of at least 14 or an ACT Composite score of at least 15 (or SAT equivalent).

IV. Eligibility criteria to enroll in a Work Skills Course

1. Work Skills Course: A course in a skill or occupational training area that contributes to a declared Career Area of Concentration and leads to a recognized industry based certification.
2. Student must be on track (a) for completing the Regents/TOPS high school core (if graduating in 2011) or (b) for completing the Louisiana Core 4 Curriculum (if graduating in 2012 and beyond) or (c) to graduate from high school (having earned at least 11 Carnegie hours if a junior, or 16 if a senior) and have declared a Career Area of Concentration.
3. Student must have a PLAN Composite score of at least 14 or an ACT Composite score of at least 15 (or SAT equivalent) or a WorkKeys Bronze Certificate.

Cumulative Grade Point Average Criteria

Senior Classification – 2.75

Junior Classification – 3.00

Inquiries regarding the Louisiana Early Start Program should be directed to:

Northwestern State University
Office of Electronic & Continuing Education
Carl D. Perkins Program Coordinator
110 Dodd Hall
Natchitoches, LA 71497
Telephone: 318-357-5721/Fax: 318-357-5573
<http://ece.nsula.edu/la-early-start-program/>

ADVANCE Program for Young Scholars

The ADVANCE Program for Young Scholars (ADVANCE) offers an opportunity for gifted students to earn credits which may be applied toward a degree should s/he enroll and register at NSU after graduating from high school. ADVANCE is offered for three weeks every June at NSU, as an affiliate of the Duke University Talent Identification Program (TIP). The student may only take one course during the session and admittance to the ADVANCE program is based upon 7th grade ACT or SAT scores. If, as a 7th grader, the student did not take an ACT or SAT, s/he may apply to ADVANCE under the Alternate Admission policy. Contact the ADVANCE Program for details.

Eligibility criteria include:

1. Attendance in the ADVANCE Program for Young Scholars at NSU.
2. Entering ADVANCE through regular or alternate admission.
3. Earning a grade of B or better in an ADVANCE course that is included in the Articulation Agreement between NSU and the ADVANCE Program.

Inquiries regarding the ADVANCE Program should be directed to:

ADVANCE Program for Young Scholars
Northwestern State University
P.O. Box 5671
Natchitoches, LA 71497
318/357-4500 (fax) 318/357-4547
www.advanceprogram.org

Admission to Degree Programs

There are special requirements for admission to some degree programs. The College of Nursing and Allied Health lists its requirements elsewhere in this catalog. No one will be accepted for teacher certification who is ineligible to enter the school of education in which he/she was last enrolled. Admission to the University does not guarantee admission to a degree program.

Admission Decisions

Admission decisions are mailed after all credentials have been received in the Office of Admissions and reviewed. Favorable decisions may be revoked if information received later, such as college transcripts, indicates that the applicant is ineligible for admission.

NSU reserves the right to deny admission or re-admission to any applicant when such action is deemed to be in the best interest of the applicant and/or the university community.

Minimum Admission Criteria

Freshman Admission

First-time freshmen will be eligible for admission to a degree program if they meet the following criteria:

- Students must have completed the Regents' High School core curriculum, **AND** need no more than one developmental (remedial) course, **AND** one of the following:
 - Cumulative grade point average (on a 4.00 scale) of 2.35 on all high school courses attempted.
- OR**
- Minimum ACT composite score of 20 or minimum of 940 on the SAT from a single test.
- OR**
- Regents' High School Core Curriculum grade point average of 2.00.

Admission Exceptions:

Students who do not meet the admission requirements may be admitted under the transfer admission exceptions category. Appeals for the Admissions Exception Committee may be obtained online at <http://admissions.nsu.edu>.

Transfer Admission

Transfer and re-entry applicants who have attended other colleges and universities must have official copies of all college work submitted to the Office of Admissions before the credentials deadline. Transfer applicants may not disregard previous college work and apply as freshmen. Transcripts should be requested and provided from the Registrar at each institution attended and mailed, delivered in a sealed envelope, or delivered securely through an electronic environment directly to the Office of Admissions. Accreditation status of transfer institutions is confirmed through the American Association of Collegiate Registrars and Admissions Officers (AACRAO) publications, the Transfer Credit Practices of Designated Educational Institutions and the Accredited Institutions of Postsecondary Education. Transfer credits are only accepted from institutions that are regionally accredited by the Southern Association of College and Schools/Commission on Colleges, the Middle States Association of Colleges and Schools, the North Central Association of Colleges and Schools, the New England Association of Schools and Colleges, the Northwest Association of Schools and Colleges, and the Western Association of Schools and Colleges.

Students enrolling in a summer term for the specific purpose of satisfying the developmental course requirement may be considered for admission for the following fall semester as a freshman and are not required to meet the transfer admission requirements.

Students (in-state and out-of state) desiring to transfer to Northwestern State University must either have earned a transferable Associate Degree or higher from an accredited institution or meet the following minimum admissions criteria:

- Students must have earned at least 18 hours of College Level Courses (non-developmental).
- 2.00 minimum GPA on College Level Courses (non-developmental).
- Students must be eligible to return to the institution from which they are transferring.
- Students desiring to transfer with the minimum GPA on college level courses, but fewer than the minimum college level hours earned, must also meet the freshman admission criteria in order to be admitted as transfer students.
- Students desiring admission as transfer students must have completed a college-level English and a college-level mathematics course designated to fulfill university core requirements.

Evaluations concerning probation, suspension, grades, grade point average, and hours earned are based on NSU standards regardless of prior determinations at other institutions that the student has attended. A student is not admissible if under scholastic or disciplinary suspension from another college or university. A suspended student will not be considered for admission until the suspension period has been completed. A transfer student who has been suspended from an institution not within the University of Louisiana System may appeal to enroll at NSU during the academic suspension period only if the student has a 2.0 cumulative grade point average. The appeal may be granted or denied. When the academic suspension

period is not clearly defined by the suspending institution, it will be determined to be equal to a period comparable to the rules in place at NSU.

No credit will be granted to a student by Northwestern for academic work earned while the applicant was suspended or dismissed from any institution except when an appeal to attend has been approved.

Admission Exceptions:

Students who do not meet the admission requirements may be admitted under the transfer admission exceptions category. Appeals for the Admissions Exception Committee may be obtained online at <http://admissions.nsula.edu>.

Out of State, Home School, or Non-State Approved High School Graduates

Freshman students, who graduate from out-of-state high schools, home-schooled, or graduates from a non-state approved high school, must meet one of the following minimum admission criteria:

Criterion #1

Students must have completed the Regents' high school core curriculum, **AND** need no more than one developmental (remedial) course, **AND** one of the following:

- Cumulative grade point average (on a 4.00 scale) of 2.35 on all high school courses attempted.

OR

- minimum ACT composite score of 20 or minimum of 940 on the SAT from a single test.

OR

- Regents' High School Core Curriculum grade point average of 2.00.

Criterion #2

Completed less than 19 units, but at least 17 units of Regents' High School Core Curriculum, **AND** minimum 2.35 cumulative grade point average, **AND** minimum 2.00 Regents' High School Core grade point average on those 17/18 units, **AND** minimum of 20 ACT (or 940 SAT).

Criterion #3

Attain a composite score of at least 23 on the ACT (or 1050 SAT), **AND** need no more than one developmental (remedial) course.

Freshman students who do not meet the admission requirements may be admitted under the admission exceptions category.

International Students

Freshman international students must have completed a recognized secondary program comparable to U.S. high school graduation, and have academic records comparable to those required to meet the freshman admission criteria. Admission decisions for freshman international students must be made in accordance with recommendations in nationally recognized publications.

- Students should have at least completed a program of study that would recommend them for admission to a university in their country.
- Transfer international students must have completed a recognized secondary program and meet transfer admission criteria. Must complete a college level mathematics course designated to fulfill university core requirements, and cannot require developmental English.

International students for whom English is a second language are required to demonstrate college level English proficiency by submitting the minimum required TOEFL score.

- Minimum TOEFL score of 500 paper, 173 computer, or 61 internet-based.

International students who do not meet the required admission requirements may be admitted under the respective admission exceptions category.

The following should be submitted: (item 7 must be certified by a professional educational credentials evaluation service based in the United States).

1. A completed Application for Admission.
2. A \$30 non-refundable application fee payable through a U.S. bank.
3. A completed Educational Experience List.
4. An official Financial Statement Certification verifying bank funds available in U.S. dollars to cover the educational and living expenses.
5. A completed Health Form and Immunization Record.
6. A professional evaluation of the applicant's education credentials by an approved U.S. evaluation service (grade point average must be included).
7. ACT or SAT scores (undergraduate applicants) submitted from ACT/SAT.
8. GRE scores for graduate admission submitted by ETS.
9. Official TOEFL (Test of English as a Foreign Language) score. A minimum score of 173 is required on the computer-based test (500 minimum on the paper-based test, or 61 on the internet-based test).

Applications for Admission and credentials are required at least two months prior to the beginning of the semester for which admission is being sought. Because of the time required to obtain a student visa after admission is granted, applying early is recommended. Graduation from a foreign secondary school does not guarantee admission to NSU.

International students are assessed a \$60 international student fee per semester in addition to their tuition and fees.

Due to possible problems with currency exchange regulations, international students from some countries may be required to deposit in a local account monies in the amount of tuition and fees for up to one year before an I-20 for obtaining a student visa will be issued. Applicants should not send money (other than the application fee) with their application packets. Students required to place funds on deposit will be notified. The I-20 will be mailed after funds are received.

On-line only international students must take courses from outside the United States (If you take courses from within the U.S., you must have a valid student visa and I-20.). The following are required for on-line only international students:

1. Application for Admission.
2. A \$30 non-refundable application fee payable through a U.S. Bank.
3. A professional evaluation of the applicant's educational credentials by an approved evaluation service (grade point average should be included).
4. Official ACT or SAT scores from ACT/SAT for undergraduates. Official GRE scores from ETS for graduate students.

Address all correspondence to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, LA 71497, U.S.A. Telephone (318) 357-4078 or

1-800-767-8115. E-mail: applications@nsula.edu. International admission forms and criteria are available online at <http://admissions.nsula.edu>.

Non-Traditional Students

Adults aged 25 and over who are defined as:

- Entering freshmen must have a high school diploma or GED, and cannot need any developmental courses to be admissible to NSU.
- Entering transfer students are required to meet the minimum admission criteria for transfer students. Such students who do not may be admitted under the transfer admission exceptions category.

Adults aged 25 and over must submit an official final high school transcript (or high school diploma), or official passing GED scores (or GED), and official ACT, SAT, or Compass scores

Categories of Admission that Fall Outside the Minimum Admission Criteria Requirements

- Students defined as re-entry.
- Students defined as Senior Citizens (as defined by the state of Louisiana).
- Students defined as non-matriculating.
- Non-degree seeking students in special programs which include, but are not limited to:
 - Dual or concurrent enrollment programs for high school students.
 - Programs for visiting students from other institutions who desire to enroll for a limited time period and pursue course work for the purpose of transferring the course work back to their home institution from which they intend to earn their degree.
- Inter-agency or inter-institutional programs such as Academic Programs Abroad, Service members Opportunity College, etc.

FINANCIAL AID

Financial aid is available to help students who, without financial assistance, would be unable to attend NSU. The amounts and terms of financial aid and the regulations and policies under which it is administered are subject to change without notice.

At Northwestern, student financial aid is administered by the Student Financial Aid Office, 2nd floor of Caspari Hall, Natchitoches, LA 71497-0002. Telephone: (318) 357-5961 or 1-800-823-3008. Email: nsufinaid@nsula.edu. Interested persons are welcome to write, call, visit the Office at any time, or visit the webpage at www.nsula.edu/financialaid. Office hours are from 9:00 a.m. to 4:30 p.m. on Monday, 8:00 a.m. to 4:30 p.m., Tuesday through Thursday, and 8:00 a.m. to 12:00 noon on Friday, except holidays.

The principal categories of financial aid are:

1. Grants: gift aid awarded to students who demonstrate exceptional financial need; do not require repayment.
2. Loans: borrowed money which must be repaid, with interest.
3. Employment: money earned by working.
4. Scholarships: awards to students with good academic records; do not require repayment.

NSU participates in the following federally regulated student aid programs:

1. Federal Pell Grant.
2. Federal Supplemental Educational Opportunity Grant (SEOG).
3. Federal College Work-Study (FCWS).
4. Leveraging Educational Assistance Partnership Funds (LEAP).
5. Federal Perkins Loan.
6. Federal Family Educational Loan Programs.
 - A. Federal Stafford Student Loan Program.
 1. Federal Subsidized Stafford Loan
 2. Federal Un-Subsidized Stafford Loan
 - B. Federal Parent Plus Loan.
 - C. Federal Graduate Plus Loan.
7. Federal Teach Grant

Eligibility for Financial Aid

Eligibility for most forms of financial aid requires demonstrated financial need. Need is defined as the difference between the student's educational expenses and the amount that can be provided by the student and his or her family. Other general requirements for eligibility are:

1. Be a citizen of the U.S. or a national or permanent resident.
2. Be in good academic standing and making significant progress toward a degree.
3. Be pursuing credit hours in an eligible program for the Pell Grant, six hours for the student loan programs and all other types of assistance.
4. Be registered with Selective Service (if required).
5. Not owe a refund on a Federal grant or be in default on a Federal Educational Loan.

Financial Aid Programs

Pell Grants provide amounts which vary according to financial need and resources available. Eligibility may be determined by filling out a FAFSA online at <http://www.fafsa.ed.gov/>. (Pell Grants are not available to a person with a bachelor's degree.)

College Work-Study provides part-time jobs for students who qualify and request positions. Work-study positions are awarded based on eligibility and availability of funds.

Supplemental Educational Opportunity Grants are available to undergraduate students and are based on exceptional need as determined by the Federal Student Aid Report. The amount of an award depends on need, the availability of SEOG funds at NSU, and the amount of other aid received by the student.

Perkins Loans are low-interest loans available to both undergraduate and graduate students. These loans must be repaid, and eligibility is based on need and availability of funds. The student may borrow up to \$20,000 for the duration of a program leading to a bachelor's degree. Students returning for certification in a teaching area are also eligible. An undergraduate student may receive no more than \$5,500 in one academic year. A graduate student may receive no more than \$8,000 in one academic year. A graduate student may borrow up to \$40,000, the total including any amount borrowed as an undergraduate. Repayment must begin nine months after a student graduates, leaves school, or drops below half-time status.

Federal Stafford Student Loans are fixed interest loans with a maximum interest ceiling set by law. Stafford loans can have interest that is subsidized or unsubsidized determined by the federal government. Dependent undergraduates may borrow up to \$5,500 per year for freshman, \$6,500 per year for sophomores, and \$7,500 per year for juniors and seniors. Independent undergraduates may borrow up to \$9,500 per year for freshman, \$10,500 per year for sophomores, and \$12,500 per year for juniors and seniors. Graduates may borrow up to \$20,500 per year. Students pursuing a Teacher Certification may borrow up to senior undergraduate loan amounts. Students who are in an associate's degree program may borrow only up to second year loan amounts. Eligibility for the subsidized Stafford Loan is based on need. Eligibility for the unsubsidized Stafford Loan is not based on need. The student must make satisfactory progress, as defined by the Financial Aid Office in accordance with federal guidelines, to continue to receive Title IV assistance. A student must file a Federal Application for Student Aid to show eligibility for all federal student aid programs. All federal direct loans also require at least half time enrollment.

Federal Parent Plus Loans are federally regulated loans for parents and students who need additional funds to pay college expenses. Parents may borrow up to their students cost of education after other aid has been deducted. Interest on the Parent Plus Loan must be paid monthly, unless alternative payment arrangements are made with direct lending. Leveraging Educational Assistance Partnership Funds (LEAP) are available to undergraduate Louisiana residents who demonstrate financial need. The student must be a full-time student with a grade point average of at least 2.0. The availability of grants is determined by state and federal funding of the program.

Requirements for the Continuation of Financial Aid

Students granted financial aid must make satisfactory academic progress in accordance with published standards. Northwestern Satisfactory Academic Progress Standards are available in the Financial Aid Office, or on-line at www.nsula.edu/financialaid. Any student who fails to satisfy the published requirements will not be eligible for financial aid.

Satisfactory Academic Progress (SAP)

The federal government mandates that students must maintain satisfactory academic progress toward completion of their degrees within a reasonable period of time in order to be eligible for Title IV financial aid programs (includes grants, work-study, Stafford, PLUS, and Perkins loans).

Satisfactory academic progress is defined as:

- passing a required number of hours (67% of all hours attempted) and
- achieving a required grade point average (2.0 cumulative for undergraduate students and 3.0 cumulative for graduate students) and
- not being over attempted hours (150% of the published length of the students' degree program).

All students' academic progress will be reviewed at the end of each semester. At the end of each semester students will fall into one of the following categories:

- **Good Standing:** Student has met progress standards and is eligible for aid for the following semester.
- **Warning:** Student has not met progress standards. However the student is still eligible for financial aid but must have made progress by the end of the warning semester.
- **Failed Standards:** Student has not made progress after warning period. Student is no longer eligible for Financial Aid. Please see re-establishing eligibility below.
- **Probation:** Student has not met progress standards, but has an approved appeal and is eligible for financial aid for one semester.

Transfer Students

Transfer students are required to meet the minimum academic standards set by NSU in order to receive Federal Financial Aid at Northwestern State University. A transfer student must supply the NSU Admissions Office with a transcript from all previous institutions of attendance.

Re-establishing Financial Aid Eligibility

Students who do not meet SAP Standards have two options to receive Financial Aid in future semesters: attend and regain without the benefit of financial aid or appeal.

You must enroll and be attending to re-establish your financial aid eligibility. Should you choose to "sit out" a semester, you are still subject to meeting the conditions listed below for the semester in which you re-enroll.

Attend and regain without the benefit of Financial Aid: Students may attend at their own expense without the benefit of financial aid, attempt and earn a cumulative 67% of hours attempted and a 2.0 cumulative grade point average for undergraduates or 3.0 for graduates.

Note: students who are over their attempted hours cannot regain their eligibility.

Appeal:

Students may appeal to the Student Financial Aid Appeals Committee. The student must be able to meet the progress requirements by the end of that semester in which the student is appealing. Satisfactory Academic Requirements are earning a 2.0 cumulative GPA for undergraduates, 3.0 cumulative GPA for graduates, pass 67% percent of cumulative course attempted, and not exceed 150% of degree program.

Student Financial Aid Appeal

Students who do not meet Satisfactory Academic Progress (SAP) standards may have the right to appeal to the Student Financial Aid Appeals Committee. These appeals are generally based on extenuating circumstances.

Examples of extenuating circumstances may be defined as, prolonged illness, accidents that require hospitalization to the student or a close family member, death of an immediate family member, or other types of accidents or incidents.

All appeals should have documentation that corresponds with the type of appeal the student is filing.

Appeals that are remitted after the priority deadline will not receive priority consideration, and the student should also make payment arrangements with the Cashier's Office for payment of fees incurred from the registration process.

Students may appeal to the Student Financial Aid Appeals Committee. The student must be able to meet the progress requirements (2.0 cumulative GPA for undergraduates, 3.0 cumulative GPA for graduates, pass 67% percent of cumulative course attempted, and not exceed 150% of degree program) by the end of that semester in which the student is appealing and students must complete a financial aid appeal form that includes all of the following:

1. Why did the student fail to make satisfactory academic progress
2. What types of extenuating circumstances existed and documentation of the situation
3. What has changed in the student's situation that will allow the student to demonstrate progress at the next evaluation

If the appeal is approved, the student would be eligible for aid during the next semester. The student's academic progress will be checked again at the end of the semester.

There is no limit to the number of appeals a student submits during their academic career. **NOTE:** If an appeal for a given semester is denied, the student can appeal one additional time for that semester - only if the student can submit new and updated information/documentation to go along with the appeal.

If an appeal for Financial Aid is approved by the Financial Aid Appeals Committee, the student regains eligibility for Financial Aid for that semester. The student must maintain academic progress that semester to continue their financial aid eligibility. If an appeal is denied by the Financial Aid Appeals Committee, the student must enroll, attempt and earn a cumulative 67% of hours attempted and a 2.0 cumulative grade point average for undergraduates or 3.0 for graduates at the student's own expense.

Financial aid appeals do not apply to academic appeals and are in no way related.

The committee will review the following when making a decision:

- Why the student did not make progress (grades or hours)
- Supporting documentation the student has attached to the appeal. They also look at the relevance of the documentation.
- Number of times a student has appealed
- Attempted hours, earned hours, and GPA for the past 3 semesters
- Copies of transcripts from other universities if a transfer student
- Student's statement should explain why the student did not make progress
- Student's statement should also include what changes have been made and why the student will be able to currently make progress

Financial Aid Payments

Financial aid funds are paid to students in the form of credits to the students' account after registration/fee payment fall, spring and summer. Recipients of work-study awards receive no funds at registration. Payments are made at the end of each month for hours worked during the pay period.

How to Apply for Financial Aid

1. Apply for admission to NSU.
2. Apply for eligibility for all federal programs by completing the Free Application for Federal Student Aid.
3. Within four to six days, applicants will be mailed or emailed a Federal Student Aid Report. This report should be checked for accuracy and corrected if necessary. Upon receipt of your federal information, the applicant will then be sent information on how to complete a NSU Financial Aid Data Form. The student may also be sent additional paperwork to complete if he/she is selected for verification by the Department of Education, as additional information is required for processing.
4. Transfer students must submit an academic transcript from each institution they have attended to the admissions office.

Where to Apply

The Free Application for Federal Student Aid may be accessed on-line at www.fafsa.ed.gov, or www.nsula.edu/financialaid. The NSU Data Form is also available at www.nsula.edu/financialaid.

When to Apply

All required forms related to financial aid applications should be on file in the NSU Office of Financial Aid by May 1st for Fall semesters, November 1st for Spring semesters, and April 1st for Summer sessions. The required forms include the Federal Student Aid Report, NSU Financial Aid Data Form, and all other requested information. All transfer students must also submit academic transcripts from previously attended schools to the admissions office.

Selection of Recipients

The Office of Student Financial Aid determines need on the basis of data received on the Student Aid Reports and the NSU Financial Aid Data Form. Each student will be notified with a NSU Financial Aid Award Notification. This notification, sent by email, will give the student the link to check his/her online account information.

Scholarships

Scholarships are financial awards given to degree-seeking students who are enrolled or who intend to enroll at Northwestern State University. Scholarships are placed in two categories: academic/leadership scholarships and performance scholarships.

Academic/leadership scholarships are based on a combination of standardized test scores (ACT or SAT), high school grade point average, rank in class, and participation in extracurricular activities. Applications for these scholarships may be obtained online at www.nsula.edu/financialaid. To be considered for these scholarships a student must submit a scholarship application, furnish standardized test scores, a six-semester high school transcript for out-of-state students, and apply for admission to the University. The priority consideration dates for academic/leadership scholarships are December 1 and March 1 for the following academic year.

Performance scholarships are based on talent, performance, or service criteria (e.g., members of the Spirit of Northwestern Marching Band, Demon Dazzlers, Pom-Pon, Yell Leaders, Music, Theatre, KNWD, Current Sauce, Argus, Potpourri, Student Government Association, Student Activities Board, Shreveport Student Government Association, Freshman Connection and ROTC). Please contact the corresponding department for more information.

To maintain eligibility for a university scholarship, the student must meet the criteria as stated in the award letter: maintain full-time enrollment status during the fall and spring semesters of the scholarship award period at Northwestern State University, maintain the required semester grade point average, and be in good academic standing with the University.

Information on athletic scholarships can be obtained by contacting the appropriate member of Northwestern's coaching staff. All athletic scholarships are governed by the NCAA rules and regulations.

Scholarship Cancellation:

There is no automatic probation period for any student on scholarship. Academic/leadership and performance scholarships will be cancelled automatically if the following occurs:

1. The student does not make the required semester grade point average, or
2. The student does not maintain full-time enrollment at Northwestern State University throughout the semester.

Scholarship Appeals:

Students who have had a scholarship cancelled and choose to appeal their scholarship, may obtain a University Scholarship Appeal Form on-line at www.nsula.edu/financialaid. Students must complete and return this form by the posted deadline following a fall or spring semester cancellation.

RETURN OF TITLE IV FUNDS

A student who withdraws or otherwise terminates his or her enrollment during the first 60% of the semester or session, and receives financial assistance from Title IV programs (Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Federal Perkins Loan, Federal Stafford Loan, and Federal PLUS Loan) earns Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the period that the student remained enrolled is the percentage of disbursement aid for the semester/session that the student earned. The percentage of the period that the student remained enrolled is derived by dividing the number of days the student attended by the number of days in the semester/session. Calendar days are used, but breaks of at least five concurrent days are excluded from the calculation. The Title IV program reimbursement monies will be withheld from any institutional refunds (tuition, room, board, fees, and etc.) due the student. If these monies are not sufficient to cover the reimbursement required, the student will be billed for the remaining amount. Failure by a student to comply with this Return of Title IV Funds Policy will make such student ineligible to participate in any Title IV aid program from any post-secondary institution until the student is in compliance with Return of Title IV Funds.

Students who do not officially resign from the University and receive financial assistance will receive an Unofficial Resignation and aid will be adjusted based on the last date of attendance. These students' last day of attendance will be verified for all classes of enrollment through the instructor.

ACADEMIC INFORMATION

The University Core

Northwestern has a broadly based core curriculum that is central to the University's mission and consistent with the Louisiana Board of Regents' requirements for general education. The core encompasses the knowledge and abilities that Northwestern believes are essential to college graduates. Its requirements are designed to improve students' writing and speaking, to develop an appreciation and knowledge of the arts and humanities, to equip students with mathematical skills at the level of college algebra and above, and to strengthen students' understanding of biological, physical, social and behavioral sciences.

The goal of the core curriculum is that undergraduate program completers, depending on the respective degree level, shall obtain appropriate competencies, as follows:

- To communicate effectively in oral and written English
- To read with comprehension
- To reason abstractly and think critically
- To use numerical data and statistics
- To apply the scientific method
- To acquire skills needed to learn independently
- To know the nature of cultural diversity
- To know the nature and value of the visual and performing arts
- To acquire skills needed to develop a personal value system
- To explain the American political and economic system
- To acquire knowledge and skills needed for healthy behaviors and improving the quality of life
- To increase students' knowledge of international education through the study of the arts and culture of other countries

To accomplish this goal, students at Northwestern State University are required to take courses as defined below for baccalaureate and associate degrees. Together, these courses provide the breadth of their educational programs while the major requirements listed in subsequent sections of this catalog provide the depth of education.

Baccalaureate Degrees

The University core requires that each baccalaureate curriculum includes the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (6 hours):** (taken in pairs indicated and in sequence): Mathematics 1020 and 1060; 1020 and 1090; 1020 and 2010; 1035 and 1060; 1100 (6 hours); 1810 (6 hours); or 2100 and 2110 (10 hours).
3. **Natural Sciences (9 hours):**
 - **Physical:** 3 or 6 hours selected from Science 1010, 2010; Chemistry 1030-1031, 1040-1041, 1070; Physics 2030-2031, and 2510-2511.
 - **Biological:** 3 or 6 hours selected from Science 1020, 2020; Biology 1010-1011, 2060-2061, 2220- 2221, and 2230-2231.
4. **Humanities (9 hours*):**
 - **Literature:** 3 hours - English 2070 (English majors only), 2110 (all others).
 - **History:** 3 hours selected from History 1010, 1020, 2010, and 2020.
 - **Communication:** 3 hours (Communication 1010).

5. **Fine Arts (3 hours):** Fine Arts 1040.
6. **Social/Behavioral Sciences (6 hours):**

- **Social Science:** 3 hours selected from Anthropology 1510, Economics 2000, Political Science 2010, Geography 1010, and Philosophy 1010.
- **Behavioral Science:** 3 hours selected from Educational Psychology 2020, Psychology 1010, 2050; and Sociology 1010.

*The Bachelor of Applied Science requires completion of only 3 hours of humanities.

Associate (non-designated) Degrees

The university core requires that Associate (non-designated) degrees include the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (3 hours):** Mathematics 1020; Mathematics 1035.
3. **Natural Science (6 hours):** in any combination of physical or biological science selected from: Science 1010, 2010; Chemistry 1030-1031, 1040-1041, 1070; Physics 2030-2031, and 2510-2511; Science 1020, 2020; Biology 1010-1011, 2060-2061, 2220- 2221, and 2230-2231.
4. **Humanities (3 hours):** Selected from Communication 1010; English 2110; History 1010, 1020, 2010, and 2020.
5. **Fine Arts (3 hours):** Fine Arts 1040.
6. **Social/Behavioral Sciences (6 hours):**
 - **Social Science:** 3 hours selected from Anthropology 1510, Economics 2000, Political Science 2010, Geography 1010, and Philosophy 1010.
 - **Behavioral Science:** 3 hours selected from Educational Psychology 2020, Psychology 1010, 2050; and Sociology 1010.

Associate of Science Degrees

The university core requires that Associate of Science degrees include the following:

1. **English (6 hours):** English 1010, English 1020.
2. **Mathematics (6 hours):** Complete 6 hours of mathematics selected from the following paired courses Mathematics 1020 and 1060; 1020 and 1090; 1020 and 2010; 1035 and 1060; 1100 (6 hours); 1810 (6 hours); or 2100 and 2110 (10 hours).
3. **Natural Science (6 hours):**
 - **Physical:** 3 hours selected from Science 1010, 2010; Chemistry 1030-1031, 1040-1041, 1070; Physics 2030-2031, and 2510-2511.
 - **Biological:** 3 hours selected from Science 1020, 2020; Biology 1010-1011, 2060-2061, 2220- 2221, and 2230-2231.
4. **Humanities (3 hours):** Communication 1010; English 2110; History 1010, 1020, 2010, and 2020.
5. **Fine Arts (3 hours):** Fine Arts 1040.
6. **Social/Behavioral Sciences (3 hours):** selected from Anthropology 1510, Economics 2000, Political Science 2010, Geography 1010, and Philosophy 1010, Educational Psychology 2020, Psychology 1010, 2050; and Sociology 1010.

Academic Assessment

To ensure quality in its academic program offerings and to comply with requirements of the Louisiana Board of Regents, the Commission on Colleges of the Southern Association of Colleges and Schools, and various national accrediting associations, Northwestern administers a comprehensive program of academic assessment. This includes the administration of special examinations to assess the effectiveness of general education and major fields of study in each baccalaureate degree program. Students are required to participate in academic assessment activities.

Assessment of Major Fields of Study

Each student completing a baccalaureate degree program at Northwestern takes an appropriate senior examination that assesses how well the program meets its objectives. Most examinations for major field assessment are normed on a large population of students completing degrees in that field.

Registration in a Degree Program

Each student entering NSU must register in a curriculum, and in order to graduate must complete satisfactorily the work required as described in the catalog in effect at the time of registration in that curriculum or the one in effect at the time degree requirements are completed.

A student who does not attend NSU for three consecutive (including summer) semesters or longer and who then returns to the University must complete the course work prescribed in the catalog which is in effect at the time of the return.

A student who transfers to another curriculum at NSU must complete the course work prescribed in the catalog in effect at the time the transfer is made.

After registering in a curriculum, a student is expected to complete the work required in that curriculum within seven years. A student who misses three consecutive semesters must enter under the catalog in effect at the time of their re-entry. Exceptions to this requirement may result from actions taken by authorities higher than the University and may arise in certain cases involving teacher certification.

Requirements for Majors

A major is that part of a degree program which consists of a specified group of courses in a particular discipline(s) or field(s). The name of the major is usually consistent with the degree subject area. A major usually consists of 25 percent or more of total hours required in an undergraduate curriculum.

Requirements for Concentrations

A concentration is an alternative track of courses within a major, accounting for at least 30 percent of the major requirements. Concentrations can only be earned within each specified major.

Requirements for Minors

A minor is that part of a degree program which consists of a specified group of courses in a particular discipline(s) or field(s), consisting usually of 15 percent or more of the total hours required in an undergraduate curriculum.

Provisional Admission for Undergraduate Students to take Graduate Courses

Graduating seniors who have a minimum cumulative undergraduate grade point average of 3.2 on all undergraduate work attempted may be allowed to register for graduate credit

if they meet the following criteria:

1. Their admission into the program is approved by their academic dean and the Dean of the Graduate School.
2. The students lack no more than 30 semester hours to complete baccalaureate degree requirements.
3. The students may earn no more than 12 graduate credit hours while completing baccalaureate requirements.
4. Courses taken for graduate credit cannot be used to satisfy undergraduate requirements.
5. Such students retain their undergraduate status until they are awarded the baccalaureate degree.
6. While in the concurrent program, students shall maintain a minimum cumulative graduate grade point average of 3.0.
7. The student must complete a permit form to receive PRIOR approval from the Dean of the Graduate School. The permit form may be obtained in the University Registrar's Office or the Graduate School Office.
8. A recipient of a baccalaureate degree who continues enrollment to pursue a second baccalaureate degree cannot apply for graduate studies until the completion of the second baccalaureate degree.

REQUIREMENTS FOR GRADUATION

Student Responsibility

Students are personally responsible for completing all requirements established for their degree by the University. It is the student's responsibility to be informed of these requirements. A student's advisor may not assume these responsibilities and may not substitute, waive, or exempt the student from any established requirement or academic standard.

Changes in academic regulations enacted between catalog publications are published in the University newspaper and posted on bulletin boards. Students are responsible for knowing these changes.

It is the student's responsibility to make official application for graduation. Students must apply online for graduation at <https://nsuconnect.nsula.edu:4445> according to the following published graduation deadlines:

- Final Day to apply for Summer Graduation – July 1
- Final Day to apply for Fall Graduation – October 1
- Final Day to apply for Spring Graduation – March 1

Requirements for the Baccalaureate Degree

1. Complete a minimum of 120 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Earn at least 12 semester hours in the major field in upper-level courses (numbered 3000 and above) taken at NSU.
4. Earn at least a C (2.0) average on all hours pursued toward a degree, on all hours pursued in the major field, and on all hours pursued in the minor field, if a minor is required.
5. Earn at least a C (2.0) average on all hours pursued at NSU and on all hours pursued in the major field at NSU.
6. Complete an approved curriculum. This catalog prescribes in detail the requirements for graduation in all curricula offered by the University.
7. Complete the University general education (core) requirements for the baccalaureate degree.
8. Clear all University accounts.
9. Diplomas reflect degree designations as specified by the Board of Regents.
10. Participate in commencement exercises unless excused by the University Registrar.

Requirements for a Double Major

A student may choose to earn two majors (or a major and a minor) under a single baccalaureate degree, and they must be declared and earned simultaneously. When pursuing a double major, a student must designate a primary major for the award of his/her diploma. All requirements for the baccalaureate degree with the primary major must be completed plus all major requirements for the second major. The secondary major, or minor, will be indicated on the official transcript. Students may not earn a minor with an Associate Degree or without simultaneously earning a baccalaureate degree.

Requirements for a Second Baccalaureate Degree

A student may earn two baccalaureate degrees simultaneously by completing all requirements for both degrees, plus 30 additional hours. The student will be awarded two diplomas and both degrees will be posted on the official transcript.

A student may also earn a second baccalaureate degree after graduating from Northwestern or another regionally accredited institution. To receive the second degree, the student must complete all requirements for the second degree and earn 30 additional hours beyond the hours earned for the first degree.

Requirements for the Associate Degree

1. Complete a minimum of 60 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.
2. Earn at least a C (2.0) average in all courses used to satisfy degree requirements.
3. Earn at least a C (2.0) average in all courses taken at NSU which are used to satisfy degree requirements.
4. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
5. Complete the Louisiana Board of Regents general education requirements for an associate degree program.
6. Complete an approved program. The same stipulations regarding the registration in a degree program stated above for baccalaureate programs apply to associate degree programs.
7. Clear all University accounts.
8. Participate in commencement exercises unless excused by the University Registrar.

Requirements for Graduate Degrees

The requirements for the various graduate degrees are outlined in the sections describing the departmental curricula. General requirements are given in the section on Graduate Studies.

MATRICULATION

Faculty Advisors

All students are advised by academic advisors. Academic advising is regarded by the University as an extension of the teaching function and, therefore, as an important responsibility of the faculty. Faculty are usually assigned to advise students who have indicated an interest in their particular field of specialization. The names of assigned faculty advisors may be obtained from NSUConnect, <https://nsuconnect.nsula.edu:4445> or the appropriate academic department office.

Faculty advisors are available to students throughout the academic year, but their role is especially important during the registration period. The advisor will explain University academic

requirements and assist the student in planning a program which satisfies these requirements. The advisor will also explore career alternatives and aid in any academic or personal problems. The student should be aware, however, that knowledge of and adherence to regulations of the University, both academic and otherwise, are the ultimate responsibility of the student.

Academic Advisement Holds

Alternate PINs have replaced advisement holds. Students who have earned 30 or more credit hours with a cumulative GPA below 2.25 **MUST** meet with their academic advisor (in person, via telephone, or via email) before they will be permitted to register for classes for the next semester. Groups of students who are required to meet with an advisor prior to registration are assigned alternate PINs. The alternate PIN is an extra layer of security which allows the student to access the registration and drop/add services on the web. Alternate PINs change every term and can only be obtained from a student's academic advisor or department. Students must refer to the registration information in the Schedule of Classes to determine if they have been assigned an alternate PIN.

Registration

Students begin the registration process by meeting with their faculty advisor to develop a schedule of classes. To complete the registration, the student should follow the procedure published each term in the Schedule of Classes, available by accessing the University Registrar's Office web page at www.nsula.edu/registrar.

Undergraduate Course Load/Maximum and Minimum Hours of Enrollment

The maximum amount of course work for which an undergraduate student may register in a regular semester is 21 semester hours (12 in a summer session). The minimum load for a full-time student in a regular semester is 12 semester hours (six in a summer session) unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester or summer session. Any exception to these maximum and minimum load limits requires the prior approval of the academic dean.

Graduate Course Load/Maximum and Minimum Hours of Enrollment

The maximum amount of course work for which a graduate student may register in a regular semester is 16 semester hours (12 in the 12 week summer session). The minimum load for a full-time graduate student in a regular semester is 9 semester hours (6 in a summer session). The maximum course load of a student may be reduced at the discretion of the major professor/advisor. A graduate student is considered full-time when enrolling for 6 credit hours for the summer.

Late Registration

Students who have not registered for any classes prior to the first day of class will be assessed a \$60.00 NON-REFUNDABLE late registration fee. Students who have registered for at least one class prior to the first day of classes will not be assessed the late registration fee for dropping and/or adding classes during the first seven days of classes. No student is permitted to register after the established period for late registration.

FALL AND SPRING SEMESTERS

Early Registration Cancellation for a Previous Balance of more than \$2,000:

A student who has early registered and owes a financial balance of more than \$2,000 from a previous semester must pay the previous balance to \$2,000 or less in order to attend classes. If a student has a financial balance of more than \$2,000 that is not paid to \$2,000 or less, early registration will be **cancelled** prior to the first day of classes.

Early Registration Cancellation or Registration with a Previous Balance of more than \$2,000 Appeal:

A student who has early registered or who wants to register but owes a financial balance of **more than \$2,000** from a previous semester and who, because of extenuating circumstances that can be documented, is unable to pay the balance to \$2,000 or less prior to the first day of classes, may appeal early registration cancellation or to register owing a previous balance of more than \$2,000 to an appeal committee. Within the appeal documentation, the appellant must demonstrate the ability to pay the previous balance to \$2,000 or less by the 7th class day of the current semester. If the balance is not paid to \$2,000 or less by the 7th class day of the semester, the student will be **resigned** from all classes and charged 25% of current semester refundable charges and 100% of current semester non-refundable charges. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

Early Registration or Regular Registration with a Previous Balance of \$2,000 or Less:

A student who owes a financial balance of **\$2,000 or less** from a previous semester does not have to appeal and may register or remain enrolled in classes for the current term. However, the student must maintain an account balance of \$2,000 or less by the end of the last day of the current semester to avoid future term early registration cancellation or being able to register for future terms. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed, and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

SUMMER SEMESTER

Early Registration Cancellation for a Previous Balance of more than \$2,000:

A student who has early registered and owes a financial balance of more than \$2,000 from a previous semester must pay the previous balance to \$2,000 or less in order to attend classes. If a student has a financial balance of more than \$2,000 that is not paid to \$2,000 or less, early registration will be **cancelled** prior to the first day of classes.

Registration with a Previous Balance more than \$2,000:

A student who has early registered or who wants to register but owes a financial balance of **more than \$2,000** from a previous semester and who, because of extenuating circumstances that can be documented, is unable to pay the previous balance to \$2,000 or less prior to the first day of

classes, may appeal early registration cancellation or to register owing a previous balance of more than \$2,000 to an appeal committee. Within the appeal documentation, the appellant must demonstrate the ability to pay the previous balance to \$2,000 or less by the last day of the Summer semester. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

Early Registration or Regular Registration with a Previous Balance of \$2,000 or Less:

A student who owes a financial balance of **\$2,000 or less** from a previous semester does not have to appeal and may register or remain enrolled in classes during the current term. However, the student must maintain an account balance of \$2,000 or less by the last day of the current semester to avoid future term early registration cancellation or to register for future terms. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

NOTES:

- Financial Aid **cannot** be used to pay a balance greater than \$199.99 from a previous semester. In order for a student with a previous balance to receive financial aid for the current term, the student's previous balance must be under \$200.
- Financial Aid **cannot** be used to pay Lab School or CDC balances. These balances must be paid in full in order to clear the registration and transcript holds resulting from this balance on students, faculty, or staff accounts.

Registration Access Appeals Committee

- Students may appeal early registration cancellation for a previous balance, registration with a previous balance, installment plan charges, late registration charges, or late payment charges by completing a Registration Access Appeal form. The appeal form is available in the One Card Office, or online at <http://onecard.nsula.edu/>.
- Students must complete and return the appeal form to the One Card Office, St. Denis Hall, Northwestern State University, Natchitoches, LA. 71497 or fax to: 318-357-5279 with appropriate supporting documentation attached.
- Only a completed appeal form with the proper documentation attached will be considered by the Committee. The Committee's decision will be final.

University Studies

All freshmen must take University Studies 1000 during their first period of enrollment at NSU unless credit has been received from another institution or the student has transferred in 30 credit hours or more. This course is required for graduation in any undergraduate curriculum.

Freshman English

Freshmen and undergraduate transfer students who have not completed English 1010 and/or 1020 must register immediately for 1010 (or 1020 if they have credit for 1010) and continue to enroll until they successfully complete the Freshman English sequence. English 1010 is a prerequisite for 1020; English 1020 is a prerequisite for all higher-level English courses.

Auditing Courses

A student may audit courses under the following conditions:

1. No credit is earned for any course audited.
2. An auditor may be excluded from a course at the discretion of the head of the department offering the course. If space in a class is limited, students taking the course for credit are given preference over auditors, even though the latter may have enrolled first.
3. A special examination for credit may not be taken in any course already audited.
4. Enrollment in any course as an auditor must be accomplished prior to the close of the last day to register for credit. The change from credit to audit status may be made until the end of the drop period.
5. A student who audits a course is subject to attendance regulations. If the auditor accumulates unexcused absences in excess of ten percent of the total classes in the course, the instructor may drop the student.

A person not enrolled for credit in any other course may audit one or more courses each semester subject to both the above conditions for auditing courses and the following additional conditions:

1. Permission to register in courses for audit must be obtained from the head of the department offering the course or the academic dean.
2. All prescribed fees must be paid.
3. Auditors are subject to all University regulations related to discipline and personal conduct.
4. Auditors may use the library and bookstore. Dormitories, meal tickets, and other student privileges may be used with permission of the Dean of Students.
5. Vehicles must be registered with the University Police, and the student parking fee must be paid.

Registration for Graduation Only

A student may register "for graduation only" if all requirements for the degree(s) sought have been met. All course work pursued must be completed, and all grades must be submitted to the University Registrar before registration "for graduation only" will be considered.

Registration "for graduation only" will not be processed by the University Registrar until the academic dean has reviewed the request and has certified that the conditions stated above have been met.

Registration for graduation only must be accomplished prior to the last day to add courses. This date is determined by the University Registrar.

Classification of Students

Semester hour requirements for the classification of students are as follows:

	Class	Semester Hours
Freshman	1	0-29
Sophomore	2	30-59
Junior	3	60-89
Senior	4	90+

Definition of a Full-Time Student

A full-time student is one who is taking at least 12 semester hours of scheduled work in a regular semester, at least six hours of work in a summer session, or at least six hours in an eight-week term. The minimum load for a full-time student in a

regular semester is 12 semester hours (six in a summer session) unless the student is a candidate for graduation with fewer hours remaining to be taken or is pursuing a curriculum which requires fewer hours during that semester or summer session.

For purposes of determining eligibility for College of Nursing and Allied Health scholarships, stipends and special training program assistance, an undergraduate student is considered full-time if enrolled in clinical and didactic courses which require 12 or more hours of student contact each week.

Definition of a Part-Time Student

A part-time student is one who is taking less than 12 hours of work in a regular semester, or less than six hours in a summer session or eight-week term.

Definition of Hours Pursued

Hours pursued are defined as all courses completed and those courses not completed in which the grade of W, I, IP, Z, or WN is received on a semester basis.

Developmental Education

A comprehensive developmental education program that offers college preparation courses in mathematics and study skills is provided. A variety of support services are also available to assist students in their studies. The major purpose of the program is to prepare students in the basic skills needed to compete at the college level.

Students are placed in developmental education classes on the basis of American College Test scores. Classes include Mathematics 0920; and Academic Skills 1010. Students are provided specialized instruction, laboratory facilities, tutoring, academic advising, personal counseling, and workshops on college survival skills.

Developmental education courses do not fulfill degree requirements at Northwestern; they are extra hours added to the student's transcript. Developmental education courses are used to compute a student's grade point average.

General Studies

The General Studies curriculum is available for students entering the University who have not selected a major area of study (undecided/exploratory students). The Academic and Career Engagement (ACE) advisors assist this group of students by helping them learn more about career possibilities, advising, and major declaration. Additionally, the ACE Center provides advising services for students interested in quality interdisciplinary programs leading to Associate (two-year) and Baccalaureate (four-year) degrees, which represent a broad education with courses selected from among a wide range of disciplines. For more information contact the ACE Center, Room 239 Kyser Hall, telephone: (318) 357-6980 or visit the website <http://ace.nsula.edu>.

Military Obligations and University Study

NSU is aware that students who are members of the Armed Forces are subject to calls to duty which may interrupt their studies, and that some students wish to pursue officer-candidacy programs that may conflict with University work. Northwestern State University has a written policy that guides the process for withdrawal of a student activated for military service. Please contact the University Registrar's Office or go to www.nsula.edu/registrar for a copy of this policy.

ACADEMIC REGULATIONS

Dropping and Adding Courses

Students may **drop** and **add** courses on or before the seventh day of classes (see University Academic Calendar). When a course is “dropped” it no longer appears on the student’s record, and fees for the class will be refunded or adjusted.

After the seventh day of classes, and before the “last day to withdraw or resign from the University” (see the University Academic Calendar), a student can **withdraw** from a course online using NSUConnect at <https://nsuconnect.nsula.edu:4445>. Some students are not allowed to withdraw from courses without prior approval (graduating seniors, international students, student-athletes, graduate students). Upon submission of the online request by the deadline posted in the University Academic Calendar, a grade of “W” is assigned to each course. Although “W” grades do not affect the grade-point average, excessive withdrawals reflect negatively on the student’s record, interfere with the student’s progress toward graduation, and may result in the loss of scholarships and other types of financial aid. Students should see the Financial Aid Satisfactory Academic Progress Regulations in the University Catalog to see how withdrawing from courses might affect their eligibility for financial aid.

Therefore, it is recommended that withdrawals be limited as described below:

Classification	Hours Earned	Maximum Number of Withdrawals
Freshman	0-29	3
Sophomore	30-59	2
Junior	60-89	1
Senior	90-119	1
Senior	120 or more	1

After the Seventh Day of Classes schedule changes will be handled as follows:

- Requests for schedule changes must be submitted to the student’s academic dean and must be due to extenuating circumstances.
- Students wishing to withdraw:
 - Receive a grade of “W”
 - Pay for the tuition and fees for the class
- Students wishing to resign:
 - Receive a grade of “W” in all classes
 - Are refunded 50% to 0% of their tuition (based on University refund schedule)

After the “last day to withdraw or resign from the University,” a student who cannot complete a course due to circumstances beyond the student’s control may contact his/her academic dean no later than the last day of classes for that semester to determine if the criteria are met for receiving a retroactive withdrawal.

- Examples of cases eligible for appeal include but are not limited to documented departmental administrative errors, illness (injury to student), death in student’s immediate family, natural disaster or exceptional traumatic event, and military duty.
- If the approval to drop a course is granted, the student must also have been passing the course immediately prior to the hardship, and the grade assigned shall be a “W”.
- If the dean allows the student to resign, a “W” grade shall be assigned in all courses. If the appeal is approved, the dean will notify the instructor(s) and the University Registrar.

- Retroactive withdrawal after a semester ends is permitted only by approval of a student appeal to the Registration, Credits, and Graduation Council. Information and appeal forms may be obtained from the University Registrar’s Office or by accessing the University Registrar’s Office web page at www.nsula.edu/registrar.

Repeating Courses

When a course is repeated at Northwestern State University or transferred to NSU, all grades earned will be used in computing the grade point average. This means that all attempts at a repeated course will be computed into the cumulative (overall) grade point average and all course grades will appear on the transcript.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit.

The adjusted graduation grade point average is the average figured on all coursework earned toward the degree. When a student repeats a course, the last grade received shall be accepted as the final grade in determining graduation requirements and for “satisfactory progress” of all student-athletes.

The cumulative (overall) grade point average is based upon all hours pursued, including repeats, and is used in determining honors for graduation and probation/suspension status. All hours pursued, regardless of grades, will be considered for financial aid eligibility determination. This includes any form of the grade of “W”.

Substituting Courses

Authorization for a student to substitute a course for another specified in a curriculum requires the approval of the student’s academic advisor, the head of the department that offers the degree program, and the academic dean whose college offers the degree program. Approved substitutions are valid for the degree program under which the substitution was approved and may not apply to other degree programs.

Dismissal of Students from Classes

Any instructor may, under certain conditions, dismiss a student from a class. The action requires the approval of the head of the department which offers the course and the academic dean. It will be done only if all academic personnel concerned feel that all other reasonable measures to correct the situation are inappropriate or ineffective.

The instructor who wishes to dismiss a student from one of his or her classes must prepare and sign a written notice of dismissal and submit it for approval to the department head and dean. The notice is to include the grade recommended by the instructor (either W or F). If the department head and dean approve the dismissal, copies of the notice will be given immediately to the University Registrar and the student.

If a dismissed student feels that the action taken was improper, an appeal may be made to the instructor and/or others concerned. The student may also appeal to the Registration, Credits, and Graduation Council. This appeal must be initiated at the University Registrar’s Office within five days after the date of the dismissal notice.

If the dismissal is approved following proper review and consultation, the University Registrar will enter the appropriate grade on the student’s record.

Class Attendance – Drop for Excessive Absences

Class attendance is regarded as an obligation as well as a privilege, and all students are expected to attend regularly and punctually all classes in which they are enrolled. Failure to do so may jeopardize a student's scholastic standing and may lead to suspension from the University.

Each instructor must keep a permanent attendance record for each class.

Faculty members are required to state in writing and explain to the student their expectations in regard to class attendance during the first week of classes.

A student shall submit excuses for all class absences to the appropriate instructor within three class days after the student returns to the respective class. The instructor may excuse the student for being absent and shall accept an official University excuse.

A student who is tardy for a class meeting should resolve the matter with the instructor at the end of the class period during which the tardiness occurred. Otherwise, the instructor may treat the tardiness as an absence.

Students are responsible for all class work missed regardless of the reason for the absence. Immediately upon the student's return to class a conference should be arranged with the instructor to determine what action, on the student's part, is necessary to compensate for the time lost and materials missed due to the absence.

In any level class, the instructor may establish a grading policy that incorporates attendance requirements. If a student receives excessive unexcused absences (ten percent of the total class meetings), the instructor may complete the Excessive Unexcused Absences Report of Grade Form and submit it to the academic dean of the course recommending that the student be dropped from the rolls of that class. Students with an unsatisfactory performance record in the course shall receive an "F" grade. A grade of "F" may be given if a student has five or more unexcused absences for MWF classes, four or more excessive unexcused absences for TR classes, and two or more unexcused absences for classes that meet for three hours one time a week (Monday – Saturday).

Resignation from the University

At some time it may be necessary for a student to leave school. If this should occur, the student should not leave without completing an official resignation that will protect his or her academic standing. Please note carefully:

1. Students who drop all courses in which they are registered must officially resign from the University.
2. Students must initiate the resignation process in the office of their academic dean by completing a resignation/cancellation form or log on at <https://nsuconnect.nsu.edu:4445>.
3. A student may resign from the institution with grades of "W" prior to a date specified in the official University academic calendar.
4. Students who leave the University without completing an official resignation may have grades of "F" or "WN" recorded in all courses in which they are registered and will be charged all fees associated with their registration.
5. Students unable to come to campus and without Internet access may fax a letter of resignation to the University Registrar's Office at (318) 357-5823.
6. Students who do not officially resign from the University and receive financial assistance will receive an Unofficial Resignation and aid will be adjusted based on the last date of attendance. These students' last day of attendance will be verified for all classes of enrollment through the instructor.

Registration, Credits, and Graduation Council

The Registration, Credits, and Graduation Council is the policy-making body for the conduct of undergraduate studies at the University. The responsibilities of the Registration, Credits, and Graduation Council include establishing policies and procedure for registration, academic rules and regulations, acceptance of transfer credits, grading, and graduation requirements. The Council reviews and makes decisions on various student requests for cancellation of or resignation from classes, reinstatement of registration, and appeals to change a reported grade. All changes in University policies that will be included in the University Catalog must be approved by the Council before submission to the Curriculum Review Council. In compliance with the Family Educational Rights and Privacy Act, meeting minutes are not published because of restricted information. Monthly meetings are held the third Thursday except during registration and end of semester activities, including commencement.

Students with extenuating circumstances, which prevent completion of a semester, may request an exception to the resignation/cancellation policies by completing a Registration, Credits, and Graduation Appeal Application along with appropriate documentation. Appeals for a cancellation or resignation in selected classes must be based on administrative reasons only.

Notes:

Retroactive Cancellation: Extenuating circumstances **DO NOT** include dissatisfaction with a grade, instructor, content of the course, belated decision to change a major, or lack of knowledge about refund policies. Appeal applications must be submitted within the academic calendar year of the term being appealed.

Retroactive Withdrawal/Resignation: Extenuating circumstances **DO NOT** include dissatisfaction with a grade, instructor, content of the course, belated decision to change a major, or lack of knowledge about withdrawal/resignation policies. Appeals must be submitted within three (3) calendar years from the end of the semester being appealed. Absolutely no appeals will be considered after three years.

Refund Policy

Standard University Resignation Refund Policy

For students resigning: The date that a student officially resigns from the University determines whether fees are refunded. A student who officially resigns from the University after early registering for classes may obtain a fee refund (or not be charged for classes) according to the following schedule:

Spring and Fall Semester:

Date of Resignation	Amount of Refund
Before the First day of Classes	100%
First through the Seventh day of Classes	75%
Eighth through the Twelfth day of Classes	50%

Summer Semester:

Date of Resignation	Amount of Refund
Before the First day of Classes	100%
First through the Fourth day of Classes	50%

Students who fail to cancel or resign from classes according to the above schedule will be charged for all fees associated with their registration. Once students enroll for classes, they must resign in accordance to the above schedule in order not to be assessed registration fees.

Add/Drop Fee Adjustment: Students who apply for and are permitted a reduction in hours scheduled during the first seven class days (before the first day of classes in Summer) will be issued a full refund of the per credit hour fee for the number of hours dropped and applicable student self-assessed fees. No refunds will be issued for a reduction in credit hours after the seventh day. Students who add classes during the schedule adjustment period are required to pay the additional fee assessment in accordance to the fee payment schedule.

The following charges are non-refundable: Health Services Fee, Parking Permit Fee, Installment Plan Charge, Late Payment Charges, Late Registration Fee, University Fines, Bookstore Charges, ID Replacement Charges, Credit Exam Fees, and the Application Fee. Housing charges are reduced by the Housing Office based on the student's check-in and check-out dates. Meal Plan charges are reduced by Auxiliary Services based on the unused portion of the meal plan. Student insurance is refundable only if requested in writing to the Health Services Office within the first two weeks after the opening date of the regular semester's registration with submission of proof of coverage under another policy.

Courses dropped with a grade of "W" are not refundable at any time and will not be credited to a student's account. In some cases, the refund policy will result in a reduction of charges and not a "cash" refund.

RETURN OF TITLE IV FUNDS – A student who withdraws or otherwise terminates his or her enrollment during the first 60% of the semester or session, and receives financial assistance from Title IV programs (Federal Pell Grant, Federal Supplemental Education Opportunity Grant, Leveraging Educational Assistance Partnership Program, Federal Perkins Loan, Federal Stafford Loan, and Federal PLUS Loan) earns Title IV funds in direct proportion to the length of time he or she remains enrolled. The percentage of time during the period that the student remained enrolled is the percentage of disbursement aid for the semester/session that the student earned. The percentage of the period that the student remained enrolled is derived by dividing the number of days the student attended by the number of days in the semester/session. Calendar days are used, but breaks of at least five concurrent days are excluded from the calculation. The Title IV program reimbursement monies will be withheld from any institutional refunds (tuition, room, board, fees, and etc.) due the student. If these monies are not sufficient to cover the reimbursement required, the student will be billed for the remaining amount. Failure by a student to comply with this Return of Title IV Funds Policy will make such student ineligible to participate in any Title IV aid program from any post secondary institution until the student is in compliance with Return of Title IV Funds.

Scholastic Probation, Suspension, and Readmission Regulations

There are three categories of academic standing: academic good standing, academic probation, and academic suspension (one semester or one year). Although students will usually receive official notification of academic standing, such notice is not a prerequisite to students being placed in one of the above categories. It is the responsibility of each student to ascertain academic standing prior to the beginning of the next enrollment period. Professional departments or divisions within the university may set additional academic standards for progression in their programs. The word "semester" as applied in this policy, includes summer terms.

ACADEMIC PROBATION

1. A student will be placed on academic probation whenever the cumulative grade point average is below a 2.0 average.
2. Once on academic probation, a student will remain on probation (as long as each semester grade point average is at least 2.0) until the cumulative grade point average of 2.0 or higher is achieved. While on probation, a student must earn at least a 2.0 semester grade point average to remain in school.
3. Once a cumulative grade point average of 2.0 or higher is achieved, a student will be placed in academic good standing.
4. Transfer students are placed on academic probation if the cumulative grade point average is below a 2.0 average.

ACADEMIC SUSPENSION

1. A student on academic probation will be suspended at the conclusion of any semester in which the student fails to earn a semester grade point average of at least 2.0. First-time freshmen admitted in good standing will not be suspended prior to the completion of two semesters of enrollment.
2. A student suspended for the first time will be suspended for a period of one semester. All subsequent suspension periods are for one full calendar year.
3. A student suspended for the first time at the end of a spring semester may attend summer school without appeal. If the student raises their cumulative grade point average to 2.0 or higher, they are placed in academic good standing and their suspension period is lifted. They may then attend the fall semester without appeal. If they do not raise their cumulative grade point average to 2.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student.
4. A student suspended for second or subsequent time at the end of the spring semester may also attend summer school. To be readmitted to any semester other than the summer session, students must appeal.
5. A student suspended from Northwestern may not enroll in another university within the Board of Supervisors system, but may enroll in a community or junior college with approval of both Northwestern and the community/junior college. Credits earned under these conditions may be accepted for a degree at Northwestern provided grades of "C" or higher are earned in each of the courses to be transferred.

READMISSION FROM SUSPENSION

1. All students with an academic standing of "suspension" may appeal to their academic dean prior to the last day of regular registration to be considered for readmission. Appeals may be granted or denied.
2. Students who are readmitted by their academic dean must be cleared for registration by the Coordinator of the Academic Center and then advised by their major advisors.
3. Transfer students who have been suspended from other systems may appeal to enroll at Northwestern during the academic suspension period only if they have a 2.0 cumulative average. Appeals may be granted or denied.
4. A student who has completed a suspension period may re-apply for admission to the University. Applications for readmission may be granted, or denied.

Academic Bankruptcy

Undergraduate students may, at the time of application for admission or readmission to the University, file for academic bankruptcy if they have not been enrolled in any college or university for a period of at least three calendar years immediately preceding their intended enrollment at NSU.

The following conditions will apply:

1. The student will forfeit the use of all college or university credits earned prior to the date academic bankruptcy was declared, including credits earned through any type of advanced placement program.
2. The student's record will be inscribed with the notation "Academic Bankruptcy Declared (date)."
3. No courses taken prior to the declaration of Academic Bankruptcy will be used in the calculation of the student's grade point average and may not be used to fulfill requirements of any kind.
4. The student will be ineligible for special academic honors conferred by the University except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.
5. A student who has declared Academic Bankruptcy will be considered as an entering freshman and will be subject to all policies for placement in courses. Specifically, such students will be required to take the American College Test and/or the COMPASS test to determine placement in English and mathematics courses.
6. A declaration of Academic Bankruptcy is final and irreversible, and may only be exercised once in a student's academic career.
7. Declaration of Academic Bankruptcy does not pertain to accumulated financial aid history. Accumulated semester and award limits include all semesters of enrollment, both before and after the declaration.
8. These policies concerning Academic Bankruptcy pertain only to Northwestern State University.

To request Academic Bankruptcy, a student must be admitted to the University and must submit the Petition for Academic Bankruptcy to the University Registrar's Office at least two weeks prior to the beginning of the intended semester of enrollment. After reviewing all records to determine that the student has submitted all required transcripts and has met the three-year period of non-enrollment, the University Registrar's Office will verify, sign the request, and forward the material to the appropriate dean. The dean will ensure that the student is counseled, act on the request, and return the material to the University Registrar's Office.

GRADES

Grades and Quality Points

Credits at NSU are reported in semester hours. Letter grades based on the quality of work are assigned in most courses at NSU. Grades generally used are A (4.0 - excellent), B (3.0 - good), C (2.0 - average), D (1.0 - poor), and F (0.0 - failure). A grade of I (incomplete) in a course means that the student's work in that course is incomplete due to circumstances beyond his or her control, as determined by the instructor, and that completion of the work could lead to a passing grade. Except for thesis courses or those courses in which the student is writing a formal research project-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the official closing date of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of I will be changed to F. Incomplete grades may be assigned to independent study courses, thesis, research, and special problem courses.

A grade of IP (In progress) means that work in a research or thesis course is incomplete, but in progress. Students enrolled in a course for which a grade of IP is allowed must remain continuously enrolled (except summer) or a grade of F will be given. A waiver of this policy may be given by the Provost and Vice President for Academic and Student Affairs or the Vice Provost.

The academic dean of the course can grant the student no more than one 60 day extension to complete the course work after the final day for removal of I grades provided the student has documented extenuating circumstances. Only one extension may be granted – then after that a grade of F will be assigned if the course work is not completed by the extended date.

A course may be repeated; however, all grades earned will be calculated in the cumulative grade point average.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit.

The grade of W is used to represent an official withdrawal from a course. The grade of WN is used to indicate that the student never attended the class.

Grades are entered on academic records at the end of each semester or summer session. Students receive grades via the Internet following the completion of each semester. See Official Grade Types listed below.

The quality of work done by a student is also measured in terms of "quality points." One who earns an A in a course is awarded four quality points for each semester hour of the course. For example, an A in a three-hour course represents 12 quality points. Quality points earned for other grades are three quality points per hour for each B grade, two per hour for each C grade, and one per hour for each D grade. Grades of P, S, U, F, I, W, Z, IP, and WN yield no quality points. Quality points provide a simple method of calculating the average quality of a student's academic work. A student's overall cumulative grade point average is obtained by dividing the total quality points by the total number of quality hours.

Under certain limited conditions, grades of S (satisfactory) or P (pass) may be awarded. All credits earned or awarded through special examinations for credit, CLEP, military service, and those accepted on the basis of foreign transcripts are recorded with grades of S. Grades of P and F may be awarded for credit earned in courses only after prior approval by the University Curriculum Review Council.

Official Grade Types

Grade	Meaning
A	Excellent
AU	Audit
B	Above Average
C	Average
CR	Credit
D	Below Average
F	Failing
I	Incomplete
IP	In Progress
NC	No Credit
NR	No Grade Recorded
P	Pass

S	Satisfactory
U	Unsatisfactory
W	Withdrawn
WN	Withdrawn, Never Attended
Z	No Final Grade Received

Appeal of Reported Grade

Undergraduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 calendar days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.
2. If the conference is not satisfactory, the student should secure a Grade Appeal Form from the University Registrar's Office or the office of the dean of the college in which the course was offered. The student may discuss the appeal informally with the dean if the student so desires.
3. In filing a formal appeal, the student should complete the appeal form, stating the nature of the appeal, providing a detailed description of the justification, and requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student's responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student's appeal, providing documentation as to how the grade was determined. The instructor's response should include a copy of the course outline or syllabus provided to the student's class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the academic department that owns the course. Following a review of the student's appeal and the instructor's response, the department head should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head, he or she may submit the appeal to the academic dean of the college offering the course. If the student is unsatisfied with the opinion of the dean, he or she may submit the written appeal with all signatures to the University Registrar. At that time, a meeting of the subcommittee on grade appeals for the Registration, Credits, and Graduation Council will be called to review and make a final decision on the appeal. The University Registrar will notify the student in writing of the decision.

Academic Honor Code

Academic dishonesty is defined as the following: 1) acquiring or using a published test bank, 2) copying from another student's test, paper or computer file, 3) using unauthorized materials during a test, 4) collaborating during a test with any other person by giving or receiving information without authority, 5) stealing, buying, or otherwise obtaining non-administered or unauthorized tests, 6) selling or giving

away non-administered or unauthorized tests, 7) bribing anyone to obtain information about a test, 8) substituting for another student or permitting another person to substitute for oneself to take a test, 9) submitting as your own, in fulfillment of academic requirements, any work prepared totally or in part by another, 10) supplying to another student any theme, report, or other work for use in fulfilling academic requirements, 11) plagiarism, defined as the use of another person's work and the unacknowledged incorporations of that work in one's own work that is offered for credit, and 12) duplicity, defined as offering for credit identical or substantially unchanged work in two or more courses without approval.

Academic dishonesty will result in one of the following disciplinary measures to be decided by the course instructor: 1) verbal/written warning, 2) conference with department chair or dean, 3) reduction of test/course grade to an "F". A student may subsequently be referred to Student Conduct and be placed on probation, suspended, expelled or forced to withdraw from Northwestern as a result of academic dishonesty.

Refer to the section in the Student Handbook concerning Academic Infractions and Sanctions for Academic Misconduct.

Semester Examinations

Final examinations are scheduled at the end of each regular semester and summer session. Any departure from the published examination schedule requires prior approval of the Provost and Vice President for Academic and Student Affairs.

No student may be excused from a final examination. Absence from a final examination, other than in a case of extreme emergency, is construed and recorded as failure in the course.

Final Grades

Grades are entered on academic records at the end of each semester or summer session. Students may view their grades by accessing NSUConnect, (<https://nsuconnect.nsula.edu:4445>). NSUConnect is accessible from 5:00 a.m. – 11:55 p.m., 7 days a week. A student who requires an official report of grades may request an official transcript from the University Registrar's Office.

Transcripts

All official academic transcripts must be requested via iwantmytranscript.com:

Official Transcripts:

- Students may order an official academic transcript by accessing the online-transcript-ordering system through the secure website, <http://iwantmytranscript.com/>. The cost is \$3.25 per transcript. This process is very efficient and easy to use.
- Provided that a student is not indebted to the University, a transcript request will be processed between the hours of 8:00 a.m. – 4:00 p.m., Monday – Thursday, and from 8:00 a.m. – 11:00 a.m. on Friday. (Please Note: Processing transcript requests at the end of a semester may take longer.)

Unofficial Transcripts:

- Provided there is no financial obligation owed to the University, students may obtain an unofficial transcript from NSUConnect at <https://www.nsuconnect.nsula.edu:4445/>.
- Students who are indebted to the University may request an unofficial transcript from the University Registrar's Office without charge, and a picture ID is required.

CREDITS

Transferred Credit

Hours earned at an institution accredited by a regional committee on colleges, or the equivalent, will be accepted at NSU with the following exceptions.

1. No more than 65 semester hours of credit earned at a two-year institution may apply toward a degree at Northwestern, and these hours may apply as freshman and sophomore level courses only.
2. The academic dean will determine how transferred credits may be applied to degree requirements. Courses that do not correspond to courses offered at NSU will transfer as elective credits.
3. Even though some courses may not transfer toward the degree, all hours pursued are used in determining the cumulative grade point average.
4. While a student is under suspension, no credits earned by the student at another institution may be used toward a degree at this university.
5. Credits earned through CLEP (College-Level Examination Program) must be sent to Northwestern State University from the Educational Testing Center in Princeton, New Jersey. These credits will not be accepted from another school's transcript. (CLEP scores over 20 years old may be taken from another school's transcript since CLEP does not keep scores for more than 20 years.)
6. Courses taken at another four-year university cannot be evaluated to more than one level higher than the original. Example: A transferred freshman level course cannot be evaluated as a junior level course; a sophomore level course cannot be evaluated as a senior level course.

The regional accrediting agencies that NSU recognizes are:

- Middle States Association of Colleges and Schools
- North Central Association of Colleges and Schools
- New England Association of Schools and Colleges/Commission on Institutions of Higher Education
- Northwest Association of Schools and Colleges
- Southern Association of Colleges and Schools/Commission on Colleges
- Western Association of Schools and Colleges

Transfer students must request the University Registrar of each college or university previously attended to forward to the NSU Admissions Office a complete and official transcript of work. An official transcript is defined as one mailed directly from one institution to another, bearing the institution's seal, the signature of the University Registrar, and the date of issuance, or delivered securely through an electronic environment directly to the Office of Admissions.

Transfer Credit Practices of Designated Educational Institutions, published by the American Association of Collegiate Registrars and Admissions Officers (AACRAO), is used as a basis for determining the accreditation status of other institutions. Credits earned at a non-accredited institution will not be accepted at NSU. The exception to this being credits earned at the Community Colleges listed on the Board of Regents Transfer Credit Matrix. The student may demonstrate knowledge of the subject through tests or by other suitable means. This determination of acceptability will be made by the University Registrar and the academic dean.

Transfer students who have completed college coursework outside the United States are required to secure a credential course-by-course evaluation from one of the U.S. evaluation services approved by the university. In order for the credits to be accepted by Northwestern, the evaluation must indicate that

the coursework is equivalent to coursework completed in the U.S. from a regionally accredited institution. A list of university approved evaluation services can be obtained from the University Registrar's web site (www.nsula.edu/registrar) under Transfer Credits.

After the student has had transcripts from all previous institutions sent to NSU, they may contact the department of their chosen major to verify that all transcripts have been received and that the credits has been applied to their degree plan.

If a student has earned elective credits for courses from an accredited institution and feels that the content of the courses might be acceptable to NSU degree requirements, the courses will be reviewed by the University Registrar and the academic dean.

A course failed or in which a required grade is not met at NSU, then repeated at another institution, will be accepted as credit.

Any student enrolled at NSU must secure the academic dean's permission in advance to take required course work (excluding remedial) at another institution. The student must complete the "Request for Prior Approval of Transfer Credit" form which can be found on the University Registrar's website (www.nsula.edu/registrar) or in the University Registrar's Office.

Transfer Credit Matrix

To view the Transfer Credit Matrix for Louisiana Colleges and Universities, use the University Registrar's Office website www.nsula.edu/registrar. There, you will find a link to the Louisiana Board of Regents website (www.regents.state.la.us) which contains the Louisiana Postsecondary Education State-wide Student Transfer Guide and Articulation System.

Please be aware that the listing of courses through this site is NOT all inclusive. There will be courses that articulate between campuses that are not indicated on the matrices. Contact the University Registrar's Office with questions concerning specific courses.

Transfer Agreements

Northwestern State University has partnership agreements with the ADVANCE Program, Bossier Parish Community College, Defense Information School, Delgado Community College, Louisiana Delta Community College, Louisiana School for Math, Science and the Arts, Louisiana State University-Eunice, Louisiana Technical College-Natchitoches, Nunez Community College, Pole Universitaire Leonard de Vinci (PULV), River Parishes Community College, San Antonio College, South Louisiana Community College, Southern University-Shreveport, and, SOWELA Technical College-Lake Charles, which outline course transferability by degree program.

Northwestern has 2+2 Agreements with Arkansas Tech University, Baton Rouge Community College, Bossier Parish Community College, Columbia Basin College, Delgado Community College, Frederick Community College, Louisiana Delta Community College, Louisiana State University-Alexandria, Louisiana State University-Eunice, Louisiana Technical College-Oakdale, North Shore Florida Parishes Technical College, San Antonio College, South Louisiana Community College, SOWELA Technical College-Lake Charles, Southern University-Shreveport, and Yakima Valley Community College.

Contact the University Registrar's Office at (318) 357-6171 for more information on these partnership agreements, and others that may be formed in the future.

Credit for Transfer/Correspondence Work

Any student who is currently enrolled at NSU and wishes to take coursework at another institution or by correspondence is required to fill out a "Prior Approval of Transfer Credit" form. Students may not receive credit for work taken concurrently at another college or university without prior written approval from their academic dean. The following regulations govern the taking of coursework elsewhere:

1. Permission to take courses elsewhere will be granted only to students who are or have been enrolled at NSU.
2. Permission will not be granted to students who are on academic suspension.
3. The student must provide the course number of the NSU course for which he or she is seeking equivalent credit.
4. A University Registrar's Office evaluator will provide the equivalent course number for the institution the student plans to attend.
5. The student's Dean has the final approval for the student to take the course elsewhere.
6. Twenty-five (25%) of the semester hours required for the degree at NSU must be earned through instruction at NSU.
7. It is the student's responsibility to see that an official transcript is mailed to NSU by the other institution.

NOTE: Students enrolled in a teacher certification program must obtain approval from the Dean of their teaching major (e.g., Early Childhood; Family and Consumer Sciences; Health and Human Performance; Music Education) and the Dean of the Gallaspy Family College of Education and Human Development.

Credit by Examination

Northwestern recognizes that students enter college with varying degrees of preparedness. Students with superior skills and academic accomplishments have the opportunity to obtain college course credits by examination. After enrollment at Northwestern, a satisfactory performance recorded in semester hours, with no letter grade will be placed on the student's transcript. The hours of credit will not be used in the computation of grade point averages or considered in determining academic hours, probation, or suspension.

While students are encouraged to utilize all types of credit by examination programs, there are certain limitations. Credit by examination may be awarded only to students who are currently registered in other courses during a semester. A maximum of thirty semester hours of credit may be earned through any one type of program. In addition, not more than half of the semester hours of credit required for an undergraduate degree may be fulfilled through an accumulation of credits from the categories of testing, correspondence, and extension work. Credit earned by examination may be used to reduce residence requirements. A special examination for credit may not be taken in any course already completed or audited.

American College Testing (ACT): Beginning freshmen at Northwestern may be eligible for semester hours of credit on the basis of their English and Mathematics ACT subscores.

Advanced Placement Program (AP): Sponsored and coordinated by the College Board and Educational Testing Service (ETS), the AP program consists of college-level courses and standardized examinations for high school students. Each May, AP exams are administered in the high schools to students who have participated in this program. Fees

are determined by, and are payable to, ETS. Recipient code number 6492 should be used by students to have their scores reported to Northwestern. A complete list of the AP tests and credit is available in the Testing Center at NSU and on the web at <http://registrar.nsu.edu/credit-by-examination/>.

College-Level Examination Program (CLEP): Any prospective or enrolled student who attains satisfactory scores on Northwestern State University approved Subject Examinations of the College Level Examination Program (CLEP) administered by or under the auspices of the Educational Testing Service (ETS) for the College Board is eligible to receive credit on the basis of such tests. Registration forms must be received by the Testing Center at least three weeks prior to each test date. Students may also arrange to take CLEP tests at other centers and use recipient code 6492 to have their scores reported to Northwestern. Students applying for credit for NSU-approved CLEP Subject Examinations must have scores sent directly to Northwestern State University from CLEP. CLEP scores will not be used from the previous institution's transcript unless the scores are over 20 years old. (Military service veterans who took CLEP as part of the DANTES program must have CLEP scores reported directly to the University from DANTES).

A CLEP Subject Examination should be taken well in advance of the semester during which the student would normally register for the course involved. Examinations are given by appointment at Northwestern. A complete list of the Subject CLEP tests is available in the Testing Center and on the web at <http://registrar.nsu.edu/credit-by-examination/>. CLEP registration materials may be obtained from any national test center or the Educational Testing Service, Princeton, New Jersey.

A CLEP Subject Examination of the same title may not be repeated within a 180-day period after the initial administration. If an exam is retaken within the 180-day period, the administration will be considered invalid, the score will be canceled, and fees will be forfeited.

Northwestern's Advanced Standing Program: Advanced Standing Examinations are offered by the academic departments at Northwestern to eligible incoming freshmen with English and Mathematics ACT scores of 25 or above. These students are invited to attend Credit Connection, the annual spring testing day at Northwestern, for the opportunity to earn credit hours through this program.

Northwestern's Challenge Examination Program: Academic departments extend to enrolled undergraduate students the opportunity to "challenge" virtually any course offered by the University. These examinations, administered by the departments, may not be repeated. A student may not challenge any course in which a grade (A, B, C, D, F, I, P, S, U, W, Z, or AU) has been earned.

Undergraduate students interested in taking a special examination must be enrolled in at least one credit hour and must register for the exam on or by the last day to register for classes during regular registration by completing the following steps:

1. Contact the Department Head responsible for the course to get a special exam card. The Department Head must approve the special exam by completing the information on the card and signing the card. (If there is no Department Head, the Dean must complete the information.)
2. Have your advisor sign the card to approve the special exam.

3. Take the completed card to the University Registrar's Office to be registered for the exam.
4. A non-refundable fee of \$100.00* for each special exam will be assessed.

*All fees are subject to change without notice.

NOTE: A student cannot register for a special exam and the same regular semester course at the same time.

NOTE: A student who fails to complete at least one credit hour during the semester in which a special exam is taken will forfeit credit for the exam.

Scholastic Aptitude Test (SAT): Beginning freshmen at Northwestern may be eligible for semester hours of credit on the basis of their Critical Reading (English) and Mathematics SAT scores.

Credit for Extra-Curricular Activities

Credit may be granted in some activities such as band, chorus, ensemble, orchestra, dance line, and others. These courses may be repeated as many times as desired, **but no more than eight hours of credit earned in such extra-curricular activities may be applied toward fulfillment of degree requirements.** Students must complete a minimum of 120 semester hours of academic work, exclusive of physical activity and extra-curricular activity credits.

Credits for Military Educational Experiences

Military experiences (PMOS and Service Schools) will be evaluated after a student earns six hours of credit at NSU. Credit is awarded in accordance with recommendations set forth by the American Council on Education (ACE).

The Community College of the Air Force transcript (CCAF) and the Army/American Council on Education Registry Transcript (ARRT) are treated as regular college transcripts and no fee is charged for their evaluation. Evaluation of the DD-214 will be done by the Military Liaison Officer on a case-by-case basis. Duplicate credit and vocational credit will not be awarded.

Credit is also allowed for satisfactory completion of the following proficiency examinations:

CLEP General

CLEP Subject

Dantes Subject Standardized Tests (DSST).

Official copies of test results or results published on the AARTS transcript will be accepted. NSU accepts ACE recommended scores.

Credits through Prior Learning Assessment

Students may petition for the acceptance of credits for learning experiences that occurred after high school but prior to admission to the university. A student's past postsecondary education and experiences are assessed through a formal process called Prior Learning Assessment (PLA). This process is in accordance with commonly accepted good practice in higher education and satisfies criteria established by the Southern Association of Colleges and Schools (SACS) Commission on Colleges and the Council for Adult and Experiential Learning (CAEL).

A student petitioning for PLA credits must complete a course in foundations of professional studies, develop a PLA plan with an advisor, and submit portfolios that document the experiential learning to be assessed by subject matter faculty through the formal process. This process is handled through the office of Electronic & Continuing Education by the Coordinator of Adult Education Initiatives.

The policy for assessed credit will be governed by the Prior Learning Assessment Council. For information on program policies, standards and requirements, and fees see the website for the Northwestern State University CALL Initiative at <http://nsula.edu/ece/CALL/>.

Servicemembers Opportunity College

Because of its efforts to serve the educational needs of servicemembers and their family members, NSU has been designated a member of the Servicemembers Opportunity College (SOC). As a member of the Servicemembers Opportunity College, NSU has committed itself to fully support and comply with SOC principles and criteria. A SOCAD Student Agreement or documented degree plan for active duty personnel will be issued through the GoArmyEd portal upon completion of their second class with NSU. A SOCAD Student Agreement or degree plan for family members will be prepared and issued by the Military Liaison Officer upon request. The agreement will be completed in accordance with the following guidelines:

1. The student must be a soldier on active duty or a family member of an active duty soldier.
2. All transcripts of previous college work and a completed evaluation of military experiences must be on file before an agreement is prepared.
3. The agreement will be prepared for curriculum networks authorized in the SOCAD Handbook only.
4. The current university catalog, to include approved curriculum changes, will have precedence over the SOCAD Handbook when differences exist due to updates not shown in the Handbook.
5. The Student Agreement for an active duty member will be issued directly to the student through the GoArmyEd portal. Agreements for family members will be mailed or electronically transmitted to them.

Academic Honors

Honor, Dean's, and President's lists are released at the end of the spring and fall semesters.

The Honor List: Undergraduate students who meet the following requirements will be named on the Honor List:

1. Must have a semester grade point average of a B (3.0).
2. Must be enrolled full-time in the University (at least 12 semester hours).
3. Students who receive grades of D, F, U, or I in undergraduate coursework are not eligible for the Honor List.
4. Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Honor List.

The Dean's List: The academic deans will issue a Dean's List of undergraduate students who fulfill the following requirements:

1. Must have a semester grade point average of 3.5.
2. Must be enrolled full-time in the University (at least 12 semester hours).
3. Students who receive grades of D, F, U, or I in undergraduate coursework are not eligible for the Dean's List.
4. Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the Dean's List.

The President's List: Undergraduate students who fulfill the following requirements will be named on the President's List:

1. Must have a semester grade point average of 4.0.
2. Must be enrolled full-time in the University (at least 12 semester hours).

- Students who receive grades of B, C, D, F, U, or I in undergraduate coursework are not eligible for the President's List.
- Hours earned by special examinations and developmental education courses will not be used in computing eligibility for the President's List.

Graduation with Special Honors

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishments of students whose scholastic performances are most worthy, NSU is pleased to grant special distinction to graduates of baccalaureate degree programs who meet or surpass the standards described below.

Students who have an overall grade point averages of at least 3.5 (3.500-3.699) will be recognized as graduating cum laude. Those with grade point averages of at least 3.7 (3.700-3.899) will graduate magna cum laude. Those with grade point averages of at least 3.9 (3.900-4.000) will graduate summa cum laude.

All grades earned, including all earned in repeated courses, are used in computing eligibility for Special Honors.

No grades earned by special examination will be used in computing eligibility for Special Honors.

Students who have declared Academic Bankruptcy will be ineligible for special academic honors except as justified by the entire academic record, which includes courses taken prior to the declaration of Academic Bankruptcy.

Student Residence Regulations for Colleges and Universities under the University of Louisiana Systems

The residence status shall be determined in accordance with Board rules and shall be based upon evidence provided in the Application for Admission and related documents. Residence status shall be determined by the University Registrar's Office after the completed Application for Admission has been submitted. The rules shall be based primarily on the location of the home and the place of employment. Residence status may not be acquired by an applicant or student while residing in Louisiana for the primary purpose of attending school. Residence status is not determined for students registered for three semester hours or less. The following conditions may be used in determining residence status:

- An applicant living with his parents is classified as resident if the parents have established a bona fide residence in Louisiana. Ordinarily a parent is considered to have established a residence in Louisiana if he actually resides and is employed full-time in the state. A parent who is unable to be employed or who is a housewife may be considered to have established a residence if there is convincing evidence that the person continuously resides in Louisiana. If only one parent qualifies as a resident of Louisiana, the student shall be classified as a resident provided that student resides with the parent who is a resident of Louisiana. An individual who resides in Louisiana and is employed full-time in another state may be classified as a resident. In such a case, appropriate documentary evidence shall be presented.
- A student residing with his parents who enrolls as a nonresident shall be classified as a resident if his parents move to Louisiana and acquire a residence as defined in these regulations.
- A student may be declared a resident if either parent** is a graduate of the institution which he attends. A student

that graduates with an associate or higher degree may be classified as a resident for subsequent enrollment at that same institution (applicable only to U.S. citizens).

- A person may be classified as a resident of Louisiana at the end of twelve consecutive months of residence if they have been employed in Louisiana and if during that period has not been registered in an educational institution for more than six semester hours or its equivalent in any semester. A person who is unable to be employed and who has not been registered in any educational institution for more than six hours or its equivalent in any semester, may acquire residence in Louisiana if there is convincing evidence that he continuously resided in Louisiana for 12 consecutive months immediately preceding registration.
- A student who is married to a Louisiana resident may acquire the residence status of his or her spouse.
- A person who resides in Louisiana for at least two years, exclusive of military service, and then moves to another state or foreign country shall retain the right to enroll himself or any of his dependents as a resident for a period equal to the number of years he resided in Louisiana, but the right shall expire upon the person's residing for a period of two years in another state or foreign country.
- Members of the full-time armed forces (not reserve or guard) currently stationed in Louisiana and their dependents shall be classified as Louisiana residents. Those who were stationed in Louisiana immediately prior to release from active duty may enroll themselves or their dependents as residents during a period not to exceed six months after the date of release provided that the term of active duty shall have been no less than 12 consecutive months.
- A member of the full-time armed forces who was a resident of Louisiana immediately prior to entering the armed forces shall retain the right, along with any of his/her dependents to be classified as a resident as long as he/she is in the armed forces and for a two-year period after leaving the armed forces.
- A resident of Louisiana shall not lose the right to be classified as a resident during periods of employment in a foreign country.
- An alien who has been lawfully admitted to the United States for permanent residence as an immigrant (proof of such status shall be possession of his Form I-551 Alien Registration Receipt Card or passport officially stamped "Approved as a Resident Alien") and who has established a residence under any of the foregoing provisions shall be declared a resident of the state.

Non-U.S. Resident

A student who is a non-U.S. citizen may be entitled to resident classification if the student has been lawfully admitted to the United States for permanent residence (refugee, person who is married to a U.S. citizen, "temporary" or amnesty alien, etc.). This granting of resident status for fee purposes shall be in accordance with all applicable laws of the U.S. and relative requirements of the System's Student Residence Regulations.

Students and their dependents (CIS approval) present in the United States under terms of any category of any one of the following visa classifications:

- E – Treaty Trader or Investor
- G – Representative of International Organization
- H-1B – Temporary Worker in a Specialty Occupation (H-1A and H-4 may also apply to qualify for exemption)
- I – Foreign Information Media Representative
- K – Spouse, and/or minor child (Residency approved with proof of marriage to U.S. citizen)

- L – Intra-company transferee/foreign employer who demonstrate a Louisiana domicile for at least one full year (and meet System regulations) prior to the first day of class of the beginning of the semester will be eligible for an exemption of the non-resident fees while holding such a visa.

Students holding the following visa classification:

- A – Government Officials will be immediately eligible for an exemption of the non-resident fees while holding such a visa.

Students holding the following visa classifications:

- B – Visitor for business/pleasure
- C – In Transit
- D – Crewman
- F – Academic Student
- H – Temporary Worker
- J – Exchange Visitor
- M – Vocational/Non-Academic Student are not eligible to establish Louisiana domicile nor be exempted from non-resident fees unless otherwise permitted by law, by System policy, or other regulations.

Note: It is to be noted that the domicile and resident status of a dependent or an unmarried minor is regarded to be that of the parent with whom such a dependent or minor maintains his/her place of abode.

****Parent** only includes the biological parent or adoptive parent. Parent does not extend to step-parents, grandparents, guardians, etc.

Appeals

Any student classified as a nonresident may appeal his classification to the Residence Appeals Committee.

Incorrect Classification

All students classified incorrectly as residents are subject to reclassification and payment of all nonresidents fees not paid. If incorrect classification results from false or concealed facts by the student, the student is also subject to University discipline.

Notification of Rights under FERPA

The Family Educational Rights and Privacy Act (FERPA) afford students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the University Registrar written requests that identify the record(s) they wish to inspect. The University Registrar will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained in the University Registrar's Office, the University Registrar will advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception that permits disclosure without consent is disclosure to school officials with legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic, or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Supervisors; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official committee in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University discloses education records without consent to officials of another school (Registrar to Registrar) in which a student seeks or intends to enroll.

4. The right to file a complaint with the U. S. Department of Education concerning alleged failures by a state university to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Family Policy Compliance Office
U. S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

School Official

Northwestern State University defines *School Officials* as "those who have a legitimate educational interest. School officials are those employees of the University (trustee, officer, agent, auditor, students serving on university committees, staff members of the Boards of Regents and Supervisors, contractors, volunteers, and other non-employees performing institutional services and functions) who act in the student's educational interest within the limitations of their *need to know*." *Legitimate educational interest* means "any authorized interest or activity undertaken in the name of the University for which access to an Education Record is necessary or appropriate to the proper performance of the undertaking. This includes faculty, administrators, classified and unclassified employees, legal counsel, auditors, undergraduate student workers, and graduate assistants charged with maintaining Education Records and acting within the course and scope of their employment and authority."

Student-Right-to-Know (Annual Notification)

Northwestern State University General Disclosures on Accreditation, Cost of Attendance, Crime Rate Statistics, Degree Programs, Disability Services, Graduation Rates, Refund Policy, Resignation Policy, Return of Title IV Funds, Student Athlete Graduation, and the Family Educational Rights and Privacy Act may be accessed online at <http://righttoknow.nsula.edu/> or <http://registrar.nsula.edu/>.

Access to and Utilization of Academic Records (Family Educational Rights and Privacy Act)

NSU policy on the release of information on students is based on the premise that a student's record is confidential and must be protected from those who would use it for other than legitimate purposes. At the same time, the policy must be flexible enough so as not to hamper the student or the University in the pursuit of legitimate endeavors.

Release of information on any student ordinarily will be made only on the written request or authorization of that student. This policy also applies to the issuance of transcripts. Telephone requests for transcripts will not be honored nor will requests for transcripts made by the parent, spouse or prospective employer of an adult student except on the authorization of the student. The parent of a student under 18 years of age may be provided a copy of that student's transcript for personal use on written request. Transcripts may be issued on written requests to institutions from which a student has graduated or transferred, institutions to which a student transfers, or to organizations that sponsor a student, provided the student concurs in the request.

Students may not inspect and review the following: financial information submitted by their parents; confidential letters and recommendations associated with admissions, employment or job placement, or honors to which they have waived their rights of inspection and review; or education records containing information about more than one student, in which case the institution will permit access only to that part of the record which pertains to the inquiring student.

Northwestern State University is committed to following the guidelines of the Family Educational Rights and Privacy Act. The only information ordinarily released concerning students will be that considered *Directory Information*. NSU defines this as student's name, mailing address, email address, photograph, telephone number, dates of attendance, enrollment status (e.g., undergraduate or graduate; full-time or part-time), major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; degrees, honors and awards received, including naming to honor rolls; and the most recent educational agency or institution attended.

NSU maintains only those student records necessary for the conduct of business. Information in student records will be released to outside investigating agencies only with the written consent of the student involved. Once consent has been received by the University, information requested from academic records of students, students' permanent file (containing admission credentials, transcripts, etc.), and students' personnel records may be released to properly identified investigators through authorized staff personnel in the Office of Vice President for Academic and Student Affairs. The University is obliged to provide information on students pursuant to court orders or subpoenas.

The University recognizes that research is a fundamental component of its overall mission. Occasionally, such research involves the use of students and data extracted from student records. Permission to conduct such research must first be obtained from the person in charge of the involved discipline. Authorization to utilize students must be obtained from the Committee on Protection of Human Subjects in Research. Permission to use student records must be secured from the Vice President for Academic and Student Affairs. Every effort will be made to ensure the anonymity of identifying information. Faculty members may review the academic records of their students to the extent that such reviews serve legitimate educational interests.

At least once a year NSU will publish in the student newspaper (The Current Sauce) and the Alumni Columns, and will broadcast over the student radio station KNWD, the fact that certain records are kept on students, that these records are available to students, and that students have the right to challenge the contents of these records. The types of academic educational records kept on students at NSU are as follows:

1. **Instructors.** A record is maintained on each student by the instructor. Such items as attendance, test grades, reports, etc., are noted by the instructor. The instructor treats this information in a confidential manner, and a student's marks in the class can be divulged only to the student.
2. **Academic Deans.** The academic dean keeps the matriculation record of the student. Some incidental materials may be kept (such as newspaper articles, honors, a supervising teacher's evaluation of a student teacher, etc.). No one has access to these records except the dean or a designated agent of the dean. These records are unofficial and can be reviewed in the dean's office.
3. **Academic Advisors.** Upon matriculation at the University, each student is assigned an academic advisor who maintains a record of the student's academic progress. If the student changes majors, this record is transferred to the new advisor. The material in this record is of an academic nature, indicating the past and present matriculation record, current academic status, and curriculum. Only the academic advisor has access to this record, and it can be reviewed by the student in the academic advisor's office. These records are unofficial. They are placed in an inactive status if the student's education is interrupted.
4. **University Registrar.** The University Registrar is the keeper of the official academic record of the student. The student's application for admission to the University and other materials of an academic nature are kept in this office. The academic records in the University Registrar's Office are permanent and can be reviewed by the student. This includes records on all veterans receiving assistance from the Veterans Administration.

Address Change

A student must provide a local and permanent address at the time of admission to the University. Students may submit a request to change their address in the offices of the academic deans, academic department heads, or University Registrar. Students may also update their address via NSUConnect. All requests must be submitted to the University Registrar's Office for processing. A student is responsible for the consequences of all communications sent to the address on file in the University Registrar's Office (e.g., refunds, billing statements, probation/suspension status, grade reports, and financial aid information).

Name and Social Security Number Change

A student who wishes to change a name because of either marriage or divorce must submit a Name Change Request Form (or submit a written, signed, and dated request) and provide the original of the following:

- Social Security Card reflecting the new name;
- Picture Identification Card

Documents are copied by appropriate University personnel and returned to the student. A clear readable copy of the documentation may be mailed to the University Registrar's Office by the student. Faxed copies are acceptable as long as the picture ID is clear. The Name and Social Security Number Change Request Form is available in the University Registrar's Office or online at <http://registrar.nsu.edu/appeal-request-forms/>.

STUDENT LIFE/SERVICES

Fees and Expenses

Information concerning fees and expenses may be obtained from the office of University Recruiting, Northwestern State University, Natchitoches, LA 71497-0002. All fees and charges are subject to change without notice.

Payment of Registration Fees

All fees and charges assessed by the University in connection with registration are due in full by the first week of classes. Students who have been billed and have not paid in full their cost of attending the University by the first week of classes will be automatically assigned an installment plan and will be assessed the published per semester/session non-refundable Installment Plan Charge. Students may elect to pay certain fees, room charges, meal charges, etc., in installments as allowed by the current Installment Plan Policy. There is a \$50 Electronic Learning Course Fee assessed for each Internet class a student takes.

Installment Plan Policy and Charges

Students who have been billed and have not paid in full their cost of attending the University by the first week of classes will be automatically assigned the Installment Plan and assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge. Students assigned the Installment Plan may pay certain fees, room charges, meal charges, etc., in installments as allowed by the Installment Plan Policy.

Any student assigned the Installment Plan will be charged the published per semester/session NON-REFUNDABLE Installment Plan Charge including University student workers, graduate assistants, part-time and full-time employees, etc.

Students who pay their full balance by the first week of classes but later increase registration fees, room charges, meal charges, etc., after this date, or whose financial aid is reduced and do not pay the increase in full by the BILL DUE DATE will be automatically assigned the Installment Plan and be assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge.

The Installment Plan can be waived by the University's Director of Student Financial Aid when the University has awarded ESTIMATED financial aid (anticipated aid) or if the University has implemented a policy or procedure that causes a delay in the processing of a student's financial aid and the awarded financial aid is enough to cover the full unpaid balance.

Late Payment Charges

Any student who does not pay the "Installment Amount" or "Total Amount Due" by each bill due date will be assessed the published per billing cycle NON-REFUNDABLE Late Payment Charge within the semester or summer session that the charges occurred.

All accounts must be paid in full by the last day of the semester or summer session. Accounts not paid by the last day of the semester or summer session will be referred to the University's contracted collection agency and major credit bureaus. A HOLD will be placed on registration and transcript processes until the account is paid in full.

Installment Plan Payment Schedule

Any student automatically assigned the Installment Plan, per the Installment Plan Policy, may pay certain deferrable charges in installments as follows:

Fall and Spring Semesters:

Three (3) Installments

- 1/3 Due – Approximately one (1) month after scheduled fee payment
- 1/3 Due – Approximately two (2) months after scheduled fee payment
- 1/3 Due – Approximately three (3) months after scheduled fee payment

Summer Semester:

Three (3) Installments

- 1/3 Due – Approximately three (3) weeks after scheduled fee payment
- 1/3 Due – Approximately six (6) weeks after scheduled fee payment
- 1/3 Due – Approximately nine (9) weeks after scheduled fee payment

Any student who has been billed and does not pay the "Account Balance" in full by the first week of classes will be automatically assigned the Installment Plan and assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge according to the Installment Plan Policy.

Students who pay their full balance by the first week of classes but later increase registration fees, room charges, meal charges, etc., after this date, or whose financial aid is reduced and do not pay the increase in full by the BILL DUE DATE will be automatically assigned the Installment Plan and be assessed the published per semester/session NON-REFUNDABLE Installment Plan Charge.

Any student assigned the Installment Plan who does not pay the "Current Amount Due" or "Installment Amount" by each BILL CYCLE DUE DATE will be assessed the published per bill cycle NON-REFUNDABLE Late Payment Charge within the semester/session that the charges occur. Installment payment due dates are the same for all campus sites.

The Installment Plan can be waived by the University's Director of Student Financial Aid when the University has awarded ESTIMATED financial aid (anticipated aid) or if the University has implemented a policy or procedure that causes a delay in the processing of a student's financial aid and the awarded financial aid is enough to cover the full unpaid balance.

Payments may be made by cash, check or money order made payable to Northwestern State University or by MasterCard, Visa or American Express. E-Check payment is also available online. Student accounts/balances can be viewed and e-check and credit card payments made via NSUConnect, <https://nsuconnect.nsula.edu:4445>. For mail-in payment instructions, consult the Schedule of Classes for the semester of planned enrollment.

Late Registration Fees

The Academic Calendar for each semester and summer session is available online at <http://registrar.nsula.edu/academic-calendars/>. This calendar will provide dates for registration for classes. Any student who fails to complete the registration process during regular registration will be assessed a \$60 NON-REFUNDABLE Late Registration Charge.

FALL AND SPRING SEMESTERS

Early Registration Cancellation for a Previous Balance of more than \$2,000:

A student who has early registered and owes a financial balance of more than \$2,000 from a previous semester must pay the previous balance to \$2,000 or less in order to attend classes. If a student has a financial balance of more than \$2,000 that is not paid to \$2,000 or less, early registration will be **cancelled** prior to the first day of classes.

Early Registration Cancellation or Registration with a Previous Balance of more than \$2,000 Appeal:

A student who has early registered or who wants to register but owes a financial balance of **more than \$2,000** from a previous semester and who, because of extenuating circumstances that can be documented, is unable to pay the balance to \$2,000 or less prior to the first day of classes, may appeal early registration cancellation or to register owing a previous balance of more than \$2,000 to an appeal committee. Within the appeal documentation, the appellant must demonstrate the ability to pay the previous balance to \$2,000 or less by the 7th class day of the current semester. If the balance is not paid to \$2,000 or less by the 7th class day of the semester, the student will be **resigned** from all classes and charged 25% of current semester refundable charges and 100% of current semester non-refundable charges. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

Early Registration or Regular Registration with a Previous Balance of \$2,000 or Less:

A student who owes a financial balance of **\$2,000 or less** from a previous semester does not have to appeal and may register or remain enrolled in classes for the current term. However, the student must maintain an account balance of \$2,000 or less by the end of the last day of the current semester to avoid future term early registration cancellation or being able to register for future terms. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed, and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

SUMMER SEMESTER

Early Registration Cancellation for a Previous Balance of more than \$2,000:

A student who has early registered and owes a financial balance of more than \$2,000 from a previous semester must pay the previous balance to \$2,000 or less in order to attend classes. If a student has a financial balance of more than \$2,000 that is not paid to \$2,000 or less, early registration will be **cancelled** prior to the first day of classes.

Registration with a Previous Balance more than \$2,000:

A student who has early registered or who wants to register but owes a financial balance of **more than \$2,000** from a previous semester and who, because of extenuating circumstances that can be documented, is unable to pay the previous balance to \$2,000 or less prior to the first day of classes, may

appeal early registration cancellation or to register owing a previous balance of more than \$2,000 to an appeal committee. Within the appeal documentation, the appellant must demonstrate the ability to pay the previous balance to \$2,000 or less by the last day of the Summer semester. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

Early Registration or Regular Registration with a Previous Balance of \$2,000 or Less:

A student who owes a financial balance of **\$2,000 or less** from a previous semester does not have to appeal and may register or remain enrolled in classes during the current term. However, the student must maintain an account balance of \$2,000 or less by the last day of the current semester to avoid future term early registration cancellation or to register for future terms. Additionally, Installment Plan, Late Registration, and Late Payment Charges will be assessed and Collection Placement and Credit Bureau Reporting submitted in accordance with University policy.

NOTES:

- Financial Aid **cannot** be used to pay a balance greater than \$199.99 from a previous semester. In order for a student with a previous balance to receive financial aid for the current term, the student's previous balance must be under \$200.
- Financial Aid **cannot** be used to pay Lab School or CDC balances. These balances must be paid in full in order to clear the registration and transcript holds resulting from this balance on students, faculty, or staff accounts.

Registration Access Appeals Committee

1. Students may appeal early registration cancellation for a previous balance, registration with a previous balance, installment plan charges, late registration charges, or late payment charges by completing a Registration Access Appeal form. The appeal form is available in the One Card Office, or online at <http://onecard.nsula.edu/>.
2. Students must complete and return the appeal form to the One Card Office, St. Denis Hall, Northwestern State University, Natchitoches, LA. 71497 or fax to: 318-357-5279 with appropriate supporting documentation attached.
3. Only a completed appeal form with the proper documentation attached will be considered by the Committee. The Committee's decision will be final.

Health Services

Health Services

Health Services Clinic at Northwestern State University provides acute nursing care and assessment, referral to appropriate services including the university contracted physicians, health education, and accident and injury insurance. All students taking one or more hours on the Natchitoches campus and those living on campus but taking all internet courses, will be assessed a \$65 charge for Student Health Services.

Student Insurance

An undergraduate student enrolled in twelve (12) or more hours on the Natchitoches and Shreveport campuses will be assessed a fee for Injury and Sickness Insurance. A student who is covered by other insurance who does not wish to be covered by the Student Injury and Sickness Insurance Plan may request a refund. For information on services and charges, see the Student Handbook.

Housing and Living Accommodations

Residence Life/Campus Living Villages offers a variety of accommodations and price points to students for on-campus residency. Information and lease packets are available online at www.NSVillage.com. Questions about housing should be addressed to Residence Life at nsuleasing@clvusa.com or by telephone (318) 214-5400. Also, unfurnished apartments for non-traditional students are available on the Natchitoches campus. Questions about these units should be addressed to Student Services Office at 318-357-6703.

The Board of Supervisors for State Colleges and Universities requires that "all unmarried undergraduate students must live on campus. Exceptions to this policy are made for those students who present convincing evidence that substantial hardship for financial, medical or other sound reasons will occur if the policy is enforced."

Counseling and Career Services

The mission of Counseling and Career Services is to serve as an agent of change for student's personal and professional growth by aiding students in developing, evaluating and effectively implementing a life plan. To this end, Counseling and Career Services provides confidential services covered through your Student Health fees in the areas of mental health and developmental counseling, part-time employment and full-time employment to NSU students. These services are delivered by a variety of programs including career planning, career counseling, placement services, and part-time job location and development (JLD). All services are located in Room 305, Friedman Student Union Building. Additionally, Counseling and Career Services serves as an internship training site for Student Affairs in Higher Education and Psychology graduate programs..

Security Procedures

Northwestern State University Police Officers are commissioned by the Louisiana Department of Public Safety. Section 1805 of Title 17 of the Louisiana Revised Statutes holds these officers responsible for maintaining general order and extends to them the powers of arrest. The NSU Police Department currently employs fourteen full-time police officers. The department also employs students as part-time campus walkers equipped with police radios. All full-time police officers are required to complete a "Basic Law Enforcement Training Course" certified by the Council on Peace Officers Standards and Training.

The Executive Assistant to the President is responsible for Security and University Police Services. The NSU Police respond to all calls for assistance giving priority to medical emergencies, fire alarms, or a crime in progress. To place a call for assistance, call the NSU Police Department at 357-5431.

Student Conduct

Disciplinary procedures governing University students are administered by the Dean of Students or a designated representative. Disciplinary issues not resolved at the dean's level may be referred to a student-faculty discipline committee appointed by the President of the University. Students are expected to conduct themselves at all times in a manner consistent with standards prescribed by the University. Specific disciplinary due process procedures and the Northwestern State University Code of Conduct appear in the Northwestern Student Handbook.

Student Identification

Members of the NSU campus community must be prepared to display a Northwestern State University identification card upon proper request of a duly designated authority.

Access to and Utilization of Non-Academic Educational Records (Family Educational Rights and Privacy Act)

Student Affairs adheres to FERPA Regulations described under Academic Regulations in this publication for the release of student records. The types of non-academic educational records maintained on students at NSU are as follows:

1. **The Dean of Students, Office of Student Conduct, maintains disciplinary records and miscellaneous administrative records including Student Government Association Loans.** Records of disciplinary actions taken by the University against students are maintained for internal purposes and information relating thereto will be released to inquirers only with written authorization of students concerned. When sanctions are imposed that limit a student's behavior, the University retains the right to notify parties involved in monitoring said behavior.

When educational sanctions are imposed which involve third parties, the University reserves the right to notify such parties. In cases of alcohol and drug abuse, the University may notify parents or guardians. In life threatening situations, the University may contact parents, guardians, or others who may be directly involved in maintaining a safe environment for the student and the University Community. Under limited conditions (violent crimes and non-forcible sexual offenses), information on the outcome of judicial proceedings may be released to victims upon written request. A copy of the outcome of the disciplinary process may be mailed to the permanent home address of the students involved. The student can review these records in the Dean of Students office. Only authorized University Officials or individuals authorized by the student have access to written records. Disciplinary records remain active for the duration of a student's enrollment and when a disciplinary issue is unresolved and a hold remains on the record. Beginning in fall 2007, inactive paper files may be destroyed after five years. Limited data regarding disciplinary holds and sanctions is contained in the Northwestern State University computer system (SIS). This information is viewed by University staff, as approved by the University Registrar, on a need to know basis. Electronic records are permanent. When students are suspended or permanently dismissed (expelled) from the University, such information will be noted on the student's academic transcript. A student who is permanently dismissed for disciplinary reasons will receive a notation on the academic transcript stating "student is ineligible to enroll". A student who is suspended for disciplinary reasons will receive a notation on the academic transcript stating "student is eligible to return (semester) (year)". Northwestern State University will request a disciplinary report from the home institution of transferred students. Only students eligible to return to their home institutions will be admitted.

2. **Student Health Services.** Students are encouraged to furnish medical information which includes current and past medical history. Records are kept on medical problems reported by the student and on treatment procedures. Only University physicians, nurses, Health Services staff, and the immediate supervisor to Health

Services staff have access to these records. The information in medical records contains personal health information regulated by state and federal laws (FERPA) for protection of the privacy of students.

3. **Financial Aid Office.** All students who are receiving grants, scholarships, and/or loans from state and federal sources, or who are student workers and receive some financial assistance through the University have records in this office. The student can review all of his or her records.
4. **Residence Life/Campus Living Villages (CLV).** CLV has access to University housing records. Records maintained by CLV are destroyed seven years from the last semester that a student resides on campus.
5. **Counseling and Career Services.** *Career Planning and Development:* Career Planning and Development maintains confidential records on students who register with the office for career services. Students who register with the office authorize Career Planning and Placement to release credentials files to prospective employers. Students may view the complete file (resume, letter of reference, and transcript) unless this right has been waived. The right to view references may be reinstated only through written approval from the reference. Placement files are made inactive or destroyed after the director feels that the student may no longer be adequately served by the center.

Counseling: All records are strictly confidential and are secured. Records may only be released to other professionals with written consent from clients. The counselor may release information when a client poses danger to herself/himself or others or in some cases, when subpoenaed by a court of law. Students may read and review their records upon request. Inactive counseling records are maintained for seven years after which time they are destroyed.

6. **Testing Center.** The Testing Center maintains a record of ACT/SAT test scores submitted to the University and the results of the University's Advanced Standing Examinations. These records are available to the student, faculty, advisor, academic dean, and other authorized University personnel concerned with the student. Scores are not released to anyone other than authorized University personnel except on a written request by the student. No scores are given out on the telephone.

Appeal

NSU shall provide each student an opportunity for a hearing to challenge the contents of the student's educational records in order to ensure that the records are not inaccurate, misleading, or otherwise in violation of privacy or other rights of students, and to provide an opportunity for the correction or deletion of any inaccurate, misleading, or otherwise inappropriate data contained therein. The University will attempt to settle disputes with students regarding the content of the student's education records through informal meetings and discussions. When these informal means are not satisfactory to the student or the University, more formal proceedings will be conducted. On the written request of the student to the University concerning the inaccuracy of material contained in the student's record, a board composed of the Dean of Students, a representative of the Faculty Senate, the appropriate dean, a representative of the heads of academic departments, and a representative of the Student Government Association will hear the complaints and make a recommendation to the President of the University. Hearings shall be conducted within five working days following receipt of the request for the hearing. If any member of the hearing board is involved in the

case in question, the President of the University will select an individual who does not have a direct interest in the outcome of the hearing. The student or the University is to be afforded a full and fair opportunity to present evidence relevant to the issue raised. The recommendation shall be rendered in writing to the President of the University for his consideration, and his recommendation will be communicated to the parties involved within ten working days after conclusion of the hearing. If the recommendations are unsatisfactory to the student, the student may place with the education records statements commenting on the information in the records, or statements setting forth any reasons for disagreeing with the decisions of the hearing panel. The statements will be placed in the education records, maintained as part of the student's records, and released whenever the records in question are disclosed.

Student Activities and Organizations

The Department of Student Activities and Organizations believes that the first priority of students is to be successful academically, but there is much more to college life than classes, homework and exams. There are student organizations, clubs, service events, traditions, athletic events and much more.

Northwestern State students are from many diverse backgrounds with differing interests and experiences. Our goal is to assist students in customizing and enhancing their educational experience with activities that fit their goals and interests. Whether those interests are intellectual, recreational, service, social, or spiritual in nature, there is a place for you at NSU. Involvement in one or more of the 100 plus student organizations can add an important dimension to one's collegiate experience.

The Friedman Student Union is the heart of student life at Northwestern State. Throughout the year, the Division of Student Affairs and recognized student organizations hosts a variety of events and activities such as business meetings, workshops, service projects, social events, conferences, leadership training and guest speakers. The Student Union serves as the center of the campus community and is designed to enhance the quality of student life, support co-curricular activities and contribute to the University's educational mission. Located within the Student Union are numerous offices dedicated to providing programs and services to students.

The Wellness Recreation Activity Center (WRAC) is committed to offering a wide variety of opportunities that promote an active, healthy lifestyle. The WRAC offers over 10,000 square feet of strength, fitness, and cardio equipment, group exercise room, racquetball courts, basketball courts, fitness assessment lab, indoor walking track, massage therapy room and several other amenities. Wellness programs provide a variety of group exercise classes, seminars, speakers, and a state of the art fitness assessment lab with personal training.

The Intramural Sports program provides students, faculty, and staff with the opportunity to participate in a variety of competitive and recreational sports activities in a relaxed environment. Intramural Sports offers more than 30 activities in traditional sports, as well as nontraditional activities.

Club Sports consists of a variety of co-educational sports teams that offer skill enhancement and completion opportunities for members. Club Sports bridge the gap between intramural and intercollegiate athletics by providing competition at different levels. In addition, students gain valuable leadership skills by taking part in the leadership, responsibility and decision-making process of club activities.

The Robert W. Wilson Recreation Complex is located on Highway One Bypass across from NSU. The complex is a unique facility in that Northwestern State is the only university in Louisiana with a "student country club." Northwestern Hills is a beautifully maintained eighteen-hole golf course. The complex also offers four tennis courts, an Olympic sized swimming and pro-shop. The NSU recreational complex pavilion offers the perfect setting for meetings and parties and can accommodate up to 125 people. The Recreational Complex is open to the public and offers everyone the opportunity to enjoy outdoor activities at a reasonable price.

Involvement in campus activities provides balance, opportunities to develop interpersonal and leadership skills, and a great way to meet new people. The Division of Student Life is committed to providing Northwestern State University students with the best possible out-of-class experience through programs and services that meet the social, physical, intellectual and cultural development of all students.

Intercollegiate Athletics

Northwestern State University sponsors intercollegiate programs at the Division I level for both men and women. In order to participate in the varsity athletic programs and receive athletically related aid, a student must conform to the applicable rules of the National Collegiate Athletic Association (NCAA) and the Southland Conference (SLC). In addition, the student-athlete must demonstrate good academic standing by being enrolled in 12 or more hours, and demonstrate satisfactory progress by fulfilling the requirements of NCAA By-law Article 14, as stated in the NCAA manual. For information regarding participation, call NSU Compliance at 318-357-4154.

Northwestern sponsors the following sports: Men—cross country, indoor and outdoor track; football; baseball; basketball; Women—cross country, indoor and outdoor track; volleyball; softball; basketball; tennis; soccer.

Athletic Department Mission Statement

Northwestern State University is committed to providing a multi-sport intercollegiate athletic experience for male and female students. Additionally, NSU is committed to assuring that women and minorities will be afforded the opportunities given to all staff and student-athletes. Just as the University strives for excellence academically, it will also reach for excellence in the Southland Conference and at the national level through NCAA Division I championships.

The success of the athletic program is not only measured by competitive standings but also by the achievement of student-athletes. All student-athletes are expected to meet entrance and academic standards set by the NCAA, the Southland Conference and the University. The ultimate goal of the program is to provide an opportunity for student-athletes to earn a degree, enter their chosen career field and have a positive impact on the lives of those they associate with on a personal and professional level.

While striving for competitive success, those representing the NSU athletic department must also demonstrate a high level of sportsmanship towards opponents, fans and officials and maintain a positive attitude which places the "spirit of competition" at the forefront of their words and actions regardless of the outcome of the contest. In addition, those representing NSU Athletics must exhibit knowledge of, respect for and adherence to ethical principles which are outlined in Bylaw 10 of the NCAA Manual. Generating positive publicity for the University should be achieved without compromising these ethical principles, including adherence to policies related to illegal gambling, recruiting, and the use of illegal drugs.

The Athletic Department is one component of a complete University. As part of the University, athletics makes a significant contribution to the attainment of the institutional goals of academic success, physical and emotional well being and social development of student athletes.

Disability Services

Disability Services works directly with all faculty and staff, providing in-service training in understanding of disabilities and the requirements of the Americans with Disabilities Act (ADA) of 1990 and section 504 of the Rehabilitation Act of 1973. Disability Services coordinate reasonable accommodations necessary to eliminate discrimination on the basis of disability. Some reasonable accommodations include, but are not limited to: extending time limits on examinations, allowing lectures to be tape-recorded when the disability impairs a student's ability to take notes, and access to preferential seating. Provisions are also made for registration assistance, interpreters, and many other accommodations. For more information, call the Office of Disability Support at (318) 357-4460 or <http://studentaffairs.nsula.edu/disability-support>.

Academic and Career Engagement (ACE)

NSU offers all first-time freshmen the opportunity to receive high quality academic and career advising as a continuing part of their collegiate experience. The Academic and Career Engagement (ACE) staff helps students learn about career possibilities while also exploring and learning about their abilities, interests, and values. ACE staff members are available to assist with advising, major declaration, and other issues related to academic success. To learn more about ACE visit the website <http://ace.nsula.edu> or telephone 318-357-6980.

ELECTRONIC AND CONTINUING EDUCATION

150 Dodd Hall
318-357-6355
ece@nsula.edu

Mission of the Office of Electronic and Continuing Education

The mission of the Office of Electronic and Continuing Education is to strive to be regionally responsive, nationally prominent, and internationally engaged. We are committed to creating and providing learning opportunities that respond to the constantly changing needs of corporations, organizations, and individuals. The unit's primary business is to design, develop, and deliver a variety of educational programs required to meet the learning needs of a diverse adult population. Through credit and non-credit courses, conferences, and institutes, individuals are provided the opportunity to continue their education. To meet this obligation to provide educational opportunities, it is the unit's continuing responsibility to identify and remove constraints of time and place that might burden learners and limit access. With fully accredited on-line degree programs from the associate through the specialist levels, and a full array of support services, no student in need of an education should feel place or time bound.

The onsite credit program, approved by the Board of Regents and offered through the University's nine off campus sites, is designed to serve the needs of students in Northwestern State University's service area. Off-campus sites are located in the parishes of Avoyelles, Catahoula, Concordia, DeSoto, Grant, LaSalle, Red River, Sabine, and Winn. Credit courses

are listed in the University Catalog and are taught by faculty members in the appropriate academic area.

NSU offers a variety of electronic credit courses, from a selection of courses offered via compressed video to entire degree programs online. One goal of the Office of Electronic and Continuing Education is to provide information and services to faculty and students involved in these electronic courses. Through Electronic Learning's web portal, "eNSU," students have access to course listings, course rotations, help pages, and links to admissions, registration, fee payment, and financial aid. ECE works to provide the best possible electronic learning experience for both faculty and students.

The non-credit program offers short courses and community services for those not interested in formal degree programs. The University also awards continuing education units (CEU's) through the non-credit program. National guidelines set forth in the Commission of Colleges' document C.E.U. *Guidelines Criteria* are followed.

The Office of Electronic and Continuing Education works with business and industry as well to provide non-credit training geared toward professional development. In addition, credit classes are offered on-site which may be applied toward two- or four- year programs. For more information, visit the web site at www.nsula.edu/ece or call the Office of Electronic and Continuing Education at (318) 357-6355 or 800-376-2422.

COLLEGE OF ARTS, LETTERS, GRADUATE STUDIES AND RESEARCH

Room 101, Roy Hall
318-357-4330
liberalarts@nsula.edu

Dean: Steven G. Horton, *Professor*
Dean Emeriti: Donald W. Hatley, Sue W. Weaver

Mission of the College of Arts, Letters, Graduate Studies and Research

The College of Arts, Letters, Graduate Studies and Research provides a superior undergraduate education in the social and behavioral sciences, languages, communication, English, and the creative and performing arts. Faculty members in the College, educated in the finest universities both in the United States and abroad, are dedicated to teaching using traditional and non-traditional instructional methods, as well as modern information technologies. Additionally, the faculty members of the College seek to remain on the cutting edge of scholarship, research and artistic production as reflected in books and articles accepted by leading publishing houses and scholarly journals. Artistic efforts created by faculty in the College are presented at nationally respected galleries and performance centers. Additionally, the College includes the Louisiana Folklife Center, Creole Center and Aquaculture Center as part of its commitment to community service, research and preservation of Louisiana's precious resources.

Established in 1986 as the state's selective admission honors college of the liberal arts and sciences, the Louisiana Scholars' College offers a rigorous honors education grounded in the arts and sciences. Students and faculty establish individualized plans of study that include a common core curriculum and often a major in collaboration with other colleges in the University.

The Graduate School at Northwestern attracts highly qualified students to advanced degree programs in the fine arts, teacher education, student affairs in higher education, counseling, adult education, educational technology, health and human performance, nursing, English, psychology and the social sciences and to place graduates in the best doctoral programs and professional positions.

Schools/ Departments Within the College of Arts, Letters, Graduate Studies and Research

The Graduate School

Louisiana Scholars' College

Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of
Creative and Performing Arts

Department of Criminal Justice, History, and Social Sciences

Department of Language and Communication

Department of Psychology

Department of Social Work

NSU AQUACULTURE RESEARCH CENTER is located south of the main campus on the banks of the Red River near Lena, LA. The grounds of the Research Center encompass 380 acres of ponds, meadows, wetlands and deciduous trees. The Research Center has offices, living accommodations, and meeting/teaching spaces, as well as a large indoor hatchery and wetlab.

The Research Center is involved in fundamental biological research in support of the aquaculture industry in Louisiana. Current collaborative research is focused on the development of new species for fish farming, greater marketability of current fish farm products, and manipulation of the physical environment to enhance production capabilities. In addition, the Research Center is used by individual students and classes at NSU as a field station for natural science studies of Central Louisiana's flora and fauna.

Degree Programs Available Through the College of Arts, Letters, Graduate Studies and Research

Associate of General Studies with concentrations in child development, and radiologic sciences

Bachelor of Arts programs in: Communication, with concentrations in mass communication, organizational communication, and rhetoric; Criminal Justice, with concentration in pre-law and paralegal studies; English, with concentrations in film studies, folklife-southern culture, literature, and professional writing; History; Liberal Arts, with concentrations in entertainment technology; ethnoarchaeology, fine and performing arts, foreign language, geography, humanities and social thought, international relations, philosophy, politics, and law, scientific inquiry, social issues; Organizational Leadership, with concentration in unified public safety administration

Bachelor of Fine Arts program in: Fine and Graphic Arts with concentrations in graphic communications, and studio art

Bachelor of General Studies (see associated concentrations)

Bachelor of Science programs in: Addiction Studies; Psychology, with concentrations in prevention specialist and substance abuse; Theatre, with concentrations in dance performance, design/technology, musical theatre performance, performance/directing; Unified Public Safety Administration, with concentrations in law enforcement administration, fire and emergency medical services administration, emergency management administration, and public facilities management

Bachelor of Music with concentrations in music business, performance, and sacred music

Bachelor of Social Work

Master of Arts programs in: Art; English, with concentrations in literature, folklife/southern culture, teaching English to speakers of other languages, writing and linguistics, and on-line

Master of Science program in: Homeland Security; Psychology. Clinical with concentration in substance abuse

Master of Music with concentrations in music education and performance

Pre-Professional Programs

Pre-Law

Certificate Offered Through the College of Arts, Letters, Graduate Studies and Research

Pre-Law and Paralegal Studies Program Certification

Accreditation

The Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts programs are fully accredited by the National Association of Schools of Art, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; National Association of Schools of Theatre, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190; and the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, VA, 20190. The Social Work program is fully accredited at the baccalaureate level by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, VA, 22314-3457.

Bachelor of General Studies

Recognizing the value of special programs for individuals with unusual backgrounds and abilities, the University has established the General Studies Program leading to a Bachelor of General Studies degree. This program provides flexibility to allow the student's program to adapt to particular interests, background, time limitations, and ultimate career goals. It is especially appropriate for a mature person who has, as a result of various educational and work experiences, a clear focus and strong commitment to a particular course of study.

Requirements for the Bachelor of General Studies Degree

All students must satisfy the following minimum general requirements:

1. The University core requirements.
2. A minimum of 120 semester hours of academic work is required.
3. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
4. At least a C (2.0) average on all hours pursued and on all hours pursued at NSU.
5. At least a C (2.0) average in all hours in the "group of concentration."
6. Special requirements: Completion of an approved minor, 6 semester hours in a single foreign language, and 3 semester hours of computer electives.
7. A minimum of 30 hours of the 120 taken in courses numbered 3000 or above, and an additional 15 hours in courses numbered 4000 or above.
8. Eighteen hours earned in each of the following categories (54 hours total): (Categories may also include related Scholars' College courses as previously approved.)
9. Students may apply toward the degree a maximum of 30 semester hours in courses offered in the School of Business.

Arts and Communication: art, communication, dance, English, fine arts, foreign languages, music, theatre

Social Science: addiction studies, anthropology, criminal justice, economics, geography, history, philosophy, political science, psychology, social work, sociology, social studies, unified public safety administration

Computer and Natural Science: biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science

Curriculum for the Bachelor of General Studies (734)

FIRST YEAR	SEM. HRS.
Electives (1000-2000 level) ¹	5
English 1010, 1020	6
Fine Arts 1040	3
Foreign Language ²	3
Mathematics ¹	3
Natural Science ¹	6
University Studies 1000	1
Social/behavioral Science ¹	3
	30
SECOND YEAR	SEM. HRS.
Communication 1010	3
English 2110	3
Foreign Language ²	3
History 1010 or 1020 or 2010 or 2020	3
Mathematics ¹	3
Natural Science ¹	3
Social/behavioral Science ¹	3
Social Science category electives	9
	30
THIRD YEAR	SEM. HRS.
Computer ²	3
Electives (1000-2000 level) ¹	6
Electives (3000-4000 level) ³	3
Group of Concentration Electives (12 must be 3000-4000 level)	18
	30
FOURTH YEAR	SEM. HRS.
Electives (3000-4000 level)	30
	30
Total Semester Hours for Degree	120

Footnotes:

¹ Refer to University core requirements.

² Select one from the following courses: BUAD 1800, CIS 1030, CIS 1060, CIS 1090, CIS 2000, CIS 3020, CIS 3050, CIS 4050, ETEC 4810 or approved computer elective.

³ Electives must be chosen so as to complete an approved minor as defined by the department concerned.

⁴ All six semester hours must be in the same foreign language.

Groups of Concentration:

The Bachelor of General Studies degree has three traditional areas of concentration: Arts and Communication, Social Science, and Computer and Natural Science. In addition to the 54 required hours (18 in each of the three groups) an additional 18 hours must be taken in one of the three groups, making a total of 36 hours in one group, for a "group of concentration." 12 semester hours of upper-level courses in the "group of concentration" must be taken in residence at NSU.

ARTS AND COMMUNICATION (734H): art, communication, dance, English, fine arts, foreign languages, music, theatre

COMPUTER AND NATURAL SCIENCE (734C): biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science

SOCIAL SCIENCE (734G): addiction studies, anthropology, criminal justice, economics, educational psychology, geography, history, philosophy, political science, social work, psychology, sociology, social studies, unified public safety administration

In lieu of the above three traditional areas of concentration, students may take the course of study prescribed in the academic concentrations outlined below.

Additional Concentrations:

The College of Arts, Letters, Graduate Studies and Research also sponsors a General Studies degree with concentrations in Creole Studies and Professional Studies. The special requirements for these programs are given below. Interested students should contact the College of Arts, Letters, Graduate Studies and Research. Students wishing to declare one of these concentrations must obtain approval from the Dean of the College of Arts, Letters, Graduate Studies and Research, but are not required to submit an individualized proposal.

CREOLE STUDIES (734E): Social Studies 3030; History 3040; History 2010 or 2020; History 4460; Anthropology 4040 or 4050; Anthropology 2020; English 4770 or 4873; Family and Consumer Sciences 4110; Sociology 4080; Sociology 1010; 3 hours from Music 2000, Art 3600, Theatre 4260 or Dance 4500; 3 hours from Art 4030, History 4080, Anthropology 4060, English 3850.

PROFESSIONAL STUDIES (734P): Psychology 1010 or Sociology 1010; English 3230; Interdisciplinary Studies 3000; 19-28 hours of approved courses in minor area of study or individualized program of study; 6 hours of approved documented work experience credit; and 1-3 hours of advisor approved field experience courses.

Prior Learning Credits in the Professional Studies Concentration: Students in the Professional Studies concentration in the Bachelor of General Studies (BGS) must meet the established criteria for "adult learner" (i.e., have at least 60 semester credit hours or completed high school 3 or more years ago). In addition, these students must be eligible for at least 6 semester credit hours of prior work experience. A maximum of 30 hours credit from past occupational, educational and training experiences may be applied toward the Professional Studies concentration in General Studies. Students enrolled in the Professional Studies concentration may petition for the acceptance of Prior Learning Assessment (PLA) credit to be used to complete degree requirements. Credit for these learning experiences will be established by departmental evaluation using appropriate guidelines from Southern Association of Colleges and Schools and Council for Adult and Experiential Learning. General Studies students interested in developing a Prior Learning Assessment Portfolio should contact the College of Arts, Letters, Graduate Studies and Research.

Associate of General Studies

Students seeking an Associate of General Studies degree will be assigned an advisor who will assist the student in completing an individualized program of study. All students must satisfy the following minimum general requirements:

1. A minimum of 60 semester hours of academic work.
2. Earn at least 25 percent of the semester hours required for the degree through instruction at NSU.
3. Earn at least a C (2.0) average in all courses used to satisfy degree requirements.
4. Earn at least a C (2.0) average in all courses taken at NSU which are used to satisfy degree requirements.
5. English 1010 and 1020 (these courses may be used in satisfying the academic group requirements).

6. Three semester hours of mathematics selected from the University Core Requirements (these courses may be used in satisfying the academic group requirements).
7. Six semester hours of natural science in any biological or physical science (these courses may be used in satisfying the academic group requirements).
8. Six semester hours of social/behavioral science; three of these hours must be at the sophomore level or above (these courses may be used in satisfying the academic group requirements).
9. Three semester hours of Fine Arts 1040 and three semester hours of humanities selected from the University Core Requirements (these courses may be used in satisfying the academic group requirements).
10. University Studies 1000.
11. Thirty-two semester hours of enrichment electives selected from three of the academic groups listed below, of which, 18 semester hours must be in a group of concentration.
12. Students may apply toward the degree a maximum of 15 semester hours in courses offered in the School of Business.

Curriculum for the Associate of General Studies Degree (733)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Enrichment Electives	6
Mathematics ¹	3
Natural Science ¹	6
University Studies 1000	1
Social/behavioral Science ¹	6
	31
SECOND YEAR	SEM. HRS.
Concentration	18
Enrichment Electives	8
Fine Arts 1040	3
Humanities ¹	3
	32
Total Semester Hours for Degree:.....	60

Footnote:

¹ Refer to University core requirements.

Academic Enrichment Groups for the Associate of General Studies Degree

Applied Sciences: allied health, aviation technology, aviation science, electronics engineering technology, family and consumer sciences, industrial engineering technology, military science, nutrition, nursing, radiologic sciences

Art: art, communication, dance, English, fine arts, foreign languages, music, theatre

Business: accounting, business administration, finance, management, marketing, office administration

Computer and Natural Sciences: biology, chemistry, computer information systems, computer science, educational technology, geology, mathematics, physics, science

Social/Behavioral Sciences: addiction studies, anthropology, criminal justice, early childhood education, economics, education, educational psychology, geography, health and human performance, history, philosophy, political science, psychology, social studies, social work, sociology, special education, unified public safety administration

Associate of General Studies Concentration:

The Department of Family and Consumer Sciences and the College of Nursing and Allied Health sponsor concentrations leading to the Associate of General Studies degree. The special requirements for these concentrations are given below. Interested students should contact the department concerned.

CHILD DEVELOPMENT (733B): Family and Consumer Science 1070, 1090, 1120, 2000, 2040, 2090, 2500, 3000, 3020, 3030; Health Education 1010; Nutrition 1050; University Studies 1000; Psychology 2450. Total: 36 hours.

RADIOLOGIC SCIENCES (733R): IDS 3000; Biology 2220, 2221, 2230, 2231; Psychology 1010; Communication 1010; Allied Health 1020, 2200; Radiologic Sciences 3310, 3320, 3820, 3811, 3911, 4611. Total: 41 hours.

Liberal Arts

Liberal Arts Major Requirements: Students seeking a degree in Liberal Arts, outside the Louisiana Scholars' College, must complete 68 hours within the 120 semester hour Liberal Arts curriculum, which include: 15 hours of courses at the 1000 and 2000 level from the College of Arts and Letters, 27 hours of courses at the 3000 and 4000 level from the College of Arts and Letters or from a concentration area, and 26 hours selected from a concentration area or from courses within the College of Arts and Letters.

Anthropology Minor Requirements: (21 semester hours) Anthropology 2010, 2020, and 15 additional semester hours in Anthropology.

Geography Minor Requirements: (21 semester hours) Geography 1010, Geography 1020, and 15 additional hours in Geography, with at least 6 hours at the 3000 level or above.

Available Concentration:

Entertainment Technology (220F): Foreign Language is not required for the Entertainment Technology Concentration. The following courses will be used to fulfill the foreign language (12 hours) and designated courses from the College of Arts and Letters (68 hours): ART 3410; COMM 1020; ENGL 3510, 3520, 4710 4980, 4870, 4790; COMM 2020, 2510 or ENGL 3850 (Screenwriting), 3050, 3060, 3440, 3430, 4020, 3600, 3530, 3660; THEA 2310, 2330, 3330, 3340, 3350, 3390; and 9 hours of electives to be chosen from courses in the College of Arts and Letters at the 3000-4000 level.

Ethnoarchaeology (220G): ANTH 2010, 2020, 3020, 3110, 4080 or 4150, 6 credit hours of upper level electives selected from ANTH 3030, 3040, 3050, 4040, 4050, 4130, 4140, 4160, 4200, 4400, 4980.

Geography (220J): GEOG 1010, 1020, 2010, 2020 and 12 credits hours of electives selected from GEOG 2030, 2031, 3030, 3050, 3060, 3080, 4010, 4011, 4060, 4070, 4100.

International Relations (220H): PSCI 2010, 2090, 4010, 4060, 4070, 4080, 4090, 4390.

Social Issues (220I): SOC 1010, 2020, 3080, 3230, 3580, 4080, 4400, 4500.

Students may also elect to complete a concentration area in Scientific Inquiry, Humanities and Social Thought, Fine and Performing Arts, or Foreign Language under this degree program. Requirements for these concentration areas are available through the Louisiana Scholars' College or the College of Arts, Letters, Graduate Studies and Research.

Curriculum for Liberal Arts (220)

FIRST YEAR	SEM. HRS.
Communication 1010.....	3
English 1010, 1020	6
Fine Arts 1040	3
Foreign language ^{1,3}	6
Mathematics 1020 and 1060	6
University Studies 1000	1
Science 1010, 1020	6
	31

SECOND YEAR	SEM. HRS.
English 2110	3
Electives ⁴	15
Foreign Language ^{1,3}	6
Geography 1010 or Political Science 2010	3
History, 1010, 1020, 2010, or 2020	3
Science 2010 or 2020	3
Sociology 1010	3
	36

THIRD YEAR	SEM. HRS.
Electives ⁵	26
	26

FOURTH YEAR	SEM. HRS.
Electives ⁶	27
	27

Total Semester Hours for Degree:.....120

Footnotes:

¹ Students pursuing the entertainment technology concentration do not take foreign language.

² Refer to University core requirements.

³ All twelve semester hours must be in the same foreign language—1010, 1020, 2010, and 2020.

⁴ To be selected from freshman or sophomore level courses within the College of Arts and Letters.

⁵ To be selected from concentration area or from courses within the College of Arts and Letters.

⁶ To be selected from upper-level (3000-4000 level) courses within the College of Arts and Letters or from concentration area.

THE GRADUATE SCHOOL

209, Roy Hall
318-357-5851
grad_school@nsula.edu

Dean: Steven G. Horton, *Professor and Vice Provost*

The Dean of the Graduate School along with the Graduate Council supervises graduate study at Northwestern State University. All correspondence should be addressed to: Office of the Dean of the Graduate School, 209 Roy Hall, Northwestern State University, Natchitoches, LA 71497; Phone: 318-357-5851, 800-232-9892; Fax: 318-357-5019; E-mail: grad_school@nsula.edu; www.graduateschool.nsula.edu/.

Admission to the Graduate School

No applicant for admission to Northwestern State University shall be denied admission on the basis of sex, race, creed, or national origin.

Apply on-line at www.nsula.edu or by mail to the Graduate School. Entry fee should accompany the application. A lapse in enrollment of 12 calendar months, or more, will require reapplication and payment of an additional entry fee.

Admission to the Graduate School does not imply admission to any specific degree program. See information about admission requirements for a specific program. Catalogs are in effect beginning with the fall semester and remain in effect for the following spring and summer session. However, this *University Catalog* presents the current curricula, educational plans, course offerings, requirements and policies of Northwestern State University. The provisions described in this catalog do not constitute an offer for a contract which may be accepted by students through registration and enrollment in the University. The University reserves the right to change any curriculum, plan, course, requirement and policy and any other provision at any time during the student's period of study at the University.

A student who does not attend Northwestern State University for three consecutive (including summer) semesters or longer and who then returns to the University must complete the course work prescribed in the catalog which is in effect at the time of the return.

Graduate students are responsible for reading and following the regulations and requirements of the Graduate School.

Requirements for Admission to the Graduate School Include:

1. Bachelor's degree from a regionally accredited college or university with a minimum grade point average of 2.0;
2. Application on file prior to registration;
3. Official transcripts on file prior to registration;
4. Graduate Record Examination (GRE) scores with a minimum of 280 on verbal plus quantitative sections;
5. Two letters of recommendation.
6. All graduate students must furnish official transcripts from each college or university attended.
7. All students applying for entry or re-entry to graduate study at Northwestern must be eligible to return to their former institutions to be considered for admission to Northwestern. No credit will be granted to a student by Northwestern for work done while suspended or dismissed from any institution.

Northwestern does not award graduate credits for portfolio-based experiential learning or credit earned by examination.

Non-degree students meeting the requirements for admission may enroll for graduate credit. **However, no more than 12 semester hours of graduate credit earned as a non-degree student may be subsequently applied toward a graduate degree program.**

Provisional admission for non-degree students may be granted for one semester or summer term for students whose records, including GRE scores, have not been received. Failure to meet all admission requirements during that provisional semester of enrollment will result in suspension from the Graduate School. The student will not be allowed to enroll in additional courses until all requirements are met. However, non-degree seeking applicants for the Master of Science in Nursing degree must have GRE scores, which are at or above the minimal score of 280, on file to be granted provisional admission status as a MSN, non-degree seeking student. The MSN program will not admit degree seeking students on provisional basis.

Provisional Admission for Undergraduate Students to take Graduate Courses

Graduating seniors at Northwestern who have a minimum cumulative undergraduate grade point average of 3.2 on all undergraduate work attempted may be allowed to register for graduate credit if they meet the following criteria:

1. Their admission into the program is approved by their academic dean and the Dean of the Graduate School.
2. The students lack no more than 30 semester hours to complete baccalaureate degree requirements.
3. The students may earn no more than 12 graduate credit hours while completing baccalaureate requirements.
4. Courses taken for graduate credit cannot be used to satisfy undergraduate requirements.
5. Such students retain their undergraduate status until they are awarded the baccalaureate degree.
6. While in the concurrent program, students shall maintain a minimum cumulative graduate grade point average of 3.0.
7. The student must complete a permit form to receive PRIOR approval from the Dean of the Graduate School. The permit form may be obtained in the University Registrar's Office or the Graduate School Office.
8. A recipient of a baccalaureate degree who continues enrollment to pursue a second baccalaureate degree cannot apply for graduate studies until the completion of the second baccalaureate degree.

Admission for International Students

To be admitted to the Graduate School, international students must present to Northwestern State University an evaluation of their educational credentials by a United States professional evaluating service that has been approved by the university. International students must also meet all requirements for admission to the Graduate School. In addition, other documents required are: official TOEFL (Test

of English as a Foreign Language) scores (minimum score of 500 paper and 173 computer), an official Financial Statement Certification verifying bank funds available in U.S. dollars, an Educational Experience by Years list, a Health Form, and Immunization Record. All admission records must be on file at least 30 days prior to the date of registration. International students are only admitted on a conditional basis for the first 12 hours (see conditional admission).

Concurrent Registration

A graduate student registered at Northwestern may not receive degree credit at Northwestern for any work taken concurrently at another college or university without **PRIOR** approval of the major professor and the Dean of the Graduate School. Any degree-seeking Northwestern graduate student who wishes to take courses at another college or university during a summer session, or during a regular semester when not enrolled at Northwestern, must also obtain **PRIOR** approval of the major professor and the Dean of the Graduate School.

It is the responsibility of each graduate student pursuing continuing enrollment at Northwestern to submit to the Office of the Dean of the Graduate School an official transcript of work pursued at every University attended, regardless of whether or not a degree was awarded. Northwestern will not grant credit for coursework taken by a student during any period of time in which the student is suspended or dismissed from any college or university.

Time Limit

All work applied toward the degree must have been earned in the six years immediately preceding the completion of the graduate program.

Revalidation of Courses

In special cases, upon approval of the Dean of the Graduate School, expired credits may be revalidated by examination. **TRANSFERRED CREDITS MAY NOT BE REVALIDATED.** The examination must include a written test or demonstrated performance that measure those topics currently taught in the course and must be evaluated as if the student had just completed the course. The student's written examination paper, portfolio, or performance document with accompanying instructions, course learning outcomes, and designated activities with completed rubrics must be filed in the Graduate School office. Test construction and evaluation of the assessment instrument will be done by the instructor who is currently teaching the course or who has most recently taught the course. Revalidation will be on a satisfactory/unsatisfactory basis. For grade point average purposes, the initial grade will be utilized. Revalidation of Expired Course Form must be completed by the student then submitted to the Graduate Advisor and the College Dean for approval. Once signatures have been obtained the form is then submitted to the Dean of the Graduate School for final approval. The cost of revalidation is \$35 a course and must be paid and the receipt on file in the Dean of the Graduate School's office prior to taking the test.

Residence Requirement/Transfer Credit

At least two-thirds of the hours required for a master's degree must be earned at Northwestern. The additional hours required for the degree may be transferred from another institution provided the institution, including its Graduate School, is regionally accredited, the grade earned is B or above, the course is completed within the six years immediately preceding the completion of the graduate program, and the

credits are accepted as applicable to the student's degree program. An appropriate course description and syllabus must accompany the request. All transfer credits must be reviewed and approved before adding to a plan of study. Transfer credits submitted with an application to graduate study and intended to meet degree requirements must be reviewed by the major professor and college dean and approved by the Dean of the Graduate School within the first term of enrollment. Transferred graduate credits may not be used to satisfy conditional admission requirements or to raise a student's GPA to meet regular admission requirements. See also the policies related to Concurrent Registration. The Application for Transfer of Graduate Credits Form may be obtained in the Graduate School Office or online at www.nsula.edu on the Graduate School Website. The student should complete the form then submit to the Graduate Advisor and College Dean for approval. The form is then submitted to the Dean of the Graduate School for final approval.

Application for Graduation

A candidate for a graduate degree must file with the Dean of the Graduate School an application for graduation at the beginning of the semester or summer session in which he/she expects to complete degree requirements. Students must apply online for graduation at <https://nsuconnect.nsula.edu:4445>. Students that fail to complete graduation requirements as planned, or who want to change the date of graduation, MUST RE-APPLY for graduation by filing another online Application for Graduation.

Graduation with Special Honors

Scholastic honors represent the highest form of recognition that can be bestowed upon a student by a university. As a means of acknowledging the efforts and accomplishment of students whose scholastic performances are most worthy, Northwestern State University is pleased to grant special distinction to Graduate School graduates who have a grade point average of 4.0 in their degree program.

Second Master's Degree

A student seeking a second master's degree may be allowed to apply from a previous graduate degree a **maximum** of one-half the credits required for the second degree.

Completing a Master's and Baccalaureate Degree Simultaneously

Northwestern State University will not confer a master's degree and a baccalaureate degree simultaneously (during the same semester). Student's pursuing a master's degree may, however, simultaneously take coursework toward an undergraduate degree.

Eligibility to Remain in the Graduate School

A student whose graduate cumulative average or semester average falls below 3.0 on a 4.0 scale shall be placed on probation. Probation status will be retained so long as the cumulative grade-point average is below 3.0.

A student on probation who fails to make a minimum average of 3.0 on a 4.0 scale during the next semester of enrollment shall be suspended. The first suspension is for one full academic semester, and the second is for one calendar year. A student suspended for the first time at the end of a spring semester may attend summer school without appeal. If the student raises his/her cumulative grade point average to 3.0 or

higher, he/she is placed in academic good standing and his/her suspension period is lifted. The student may then attend the fall semester without appeal. If the student does not raise his/her cumulative grade point average to 3.0 or higher in the summer session, the suspension for the fall semester is in effect. In this case, only one suspension is counted against the student. A student suspended for second or subsequent time at the end of the spring semester may also attend summer school. To be readmitted to any semester other than the summer session, students must appeal.

Upon suspension from graduate studies a student may appeal for readmission on probation by submitting to his/her advisor a letter addressed to the Dean of the Graduate School. The advisor, after consulting with the other members of the student's graduate committee, is to append a written recommendation and forward it with the letter to the Dean of the Graduate School, who makes the final decision.

A student on probation with two previous suspensions who does not make a 3.0 on all hours attempted for the semester will be dismissed. Such dismissal is a final action.

Comprehensive Final Examination

The student must pass a comprehensive final examination — oral, written, or both — which may also include a defense of the thesis or field study, if a thesis or field study is written. Students who do not pass comprehensive examinations (COMPS) on the first testing may only take COMPS for a maximum of three times.

Awarding of “C” and “F” Grades in Graduate School

Only 2 grades of “C” may be applied toward completion of any graduate degree program.

A grade of “F” in any graduate level course will cause the student to be dismissed from said degree program; however, the student is not dismissed from the Graduate School. The student may opt to choose to apply to another degree program offered, or the student may appeal the dismissal to the head of the academic department offering the degree program. Readmission decisions, which are considered final, rest with the Dean of the Graduate School.

THE MASTER'S DEGREE

Admission to Master's Degree Programs

REGULAR ADMISSION to a master's degree program includes the following requirements:

1. Bachelor's degree from a regionally accredited college or university;
2. Minimum 2.5 quality point average on all undergraduate hours pursued (minimum of 3.0 quality point average for the Master of Science in Nursing and the Master of Science in Clinical Psychology).
3. Completion of all undergraduate prerequisites for the degree to be pursued.
4. GRE scores of 282 or 290 for nursing and clinical psychology programs on the verbal plus quantitative parts.
5. Special requirements of the department for the degree to be pursued.

PROVISIONAL ADMISSION to a master's degree program may be granted for one semester or summer term for students whose records, including GRE scores, have not been reviewed. Failure to remove provisional status after one semester or summer term will result in a registration hold, preventing

further enrollment in graduate studies or a degree program. Upon submitting all required records, a student may later be admitted conditionally or regularly to a degree program, provided all requirements for that program are met. **Only 12 hours of coursework earned in non-degree status may be applied to degree requirements.**

Psychology applicants must have on file scores on the GRE aptitude test, to be considered for provisional admission. Degree-seeking applicants for the MSN must have all documentation on file prior to acceptance to the degree program.

CONDITIONAL ADMISSION

1. Conditional admission to some master's degree programs (excluding MSN, M.S. in Health & Human Performance, and M.S. in Clinical Psychology) may be granted for the first nine semester hours of approved graduate study for:
 - students whose GRE score is 280 or more, but less than the 282 required for regular admission.
 - students whose undergraduate quality point average is 2.0 or better, but less than 2.5 required for regular admission.
2. Conditional admission to MSN may be granted for:
 - students whose GRE score is 284 or more, but less than 290.
 - students whose undergraduate quality point average is 2.5 or better, but less than 3.0.
3. Conditional admission to a M.S. in Health & Human Performance may be granted for:
 - students whose combined verbal and quantitative GRE scores are at least 280 but less than 282 and whose undergraduate grade point average is at least 3.0 on a four point scale.
 - students whose grade point average is below 2.5 and whose combined verbal and quantitative GRE scores are at least 282, may be admitted if the student's GPA for the last 60 hours of undergraduate coursework is at least a 2.5 on a 4.0 scale.
4. Conditional admission to a M.S. in Clinical Psychology may be granted for:
 - students whose GRE scores are at least 280, but less than the required minimum 290, and whose undergraduate quality point average is at least 3.0 on a four-point scale, or
 - students whose undergraduate quality point average is 2.5 or better, but less than the required minimum of 3.0, and whose GRE score is at least 290.
5. Conditional status in a master's degree program may be changed to regular status by earning nine semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all graduate work pursued. Failure to achieve regular status after nine graduate semester hours will result in suspension from any master's degree program. Reinstatement will require:
 - A letter of appeal written by the student with a written endorsement from the student's advisor submitted to the Dean of the Graduate School for approval.
 - Re-admission and completion of 9 additional semester hours of approved degree credit at Northwestern State University with no grade lower than B. (Only approved degree credit courses will be computed in the grade average); and
 - If reinstated, failure to maintain regular status will result in terminal suspension.

Requirements for Completion of the Master's Degree

When a student is admitted to graduate study for the master's degree, the head of the college/department in which the student plans to major will appoint an academic advisor. Upon the recommendation of the advisor, the Dean of the Graduate School will approve an advisory committee composed of the student's major professor and two other graduate faculty members; members of the student's committee will represent the principal fields of study to be included in the degree program. For degree seeking students a Major Professor and Committee Assignment Form is automatically filed which is consistent with the degree requirements defined in the catalog under which the student is admitted. If a student changes majors the student will be placed under the catalog effective at the time of the change. The student and major professor should meet to review the plan of study prior to the completion of the first term of enrollment; this plan and ANY modifications to it require the **PRIOR** approval of the Graduate School Dean.

General Degree Requirements

The minimum credit requirement for the master's degree is 30 semester hours of graduate work, not more than six of which may be allowed for the thesis course and the completion of a thesis. If a student does not write a thesis, the student must complete at least six semester hours of courses which require special research procedures and formal written research reports except for certain programs in which the student, with the permission of his/her committee, may elect to complete a minimum of 33 semester hours of graduate credit including at least three semester hours in a course which requires special research procedures and a formal written research report. All courses taken toward completion of a degree must be 5000-level or above; courses open only to graduate students.

The graduate program must include a major area of concentration of not less than 18 semester hours. An average of not less than a "B" on all graduate work pursued, with no grade lower than "C" and not more than six hours of credit with a grade of "C", shall be presented to fulfill the course requirements for a degree. No grade below "B" is acceptable for transfer credit.

Admission Requirements for the Master's Degree

To be eligible for admission to candidacy for the master's degree, a student must:

- Have achieved regular admission status.
- Have an approved major professor and committee form on file.
- Have completed a minimum of 12 semester hours of graduate work at Northwestern.
- Have earned a B average on all graduate work pursued.

After being eligible for admission to candidacy, a student must earn a minimum of six additional semester hours of graduate credit and/or complete the research requirement at Northwestern State University.

THE SPECIALIST'S DEGREE

(EDUCATIONAL SPECIALIST IN EDUCATIONAL LEADERSHIP AND INSTRUCTION)

The purpose of the Educational Specialist (Ed.S.) degree is to provide a plan of organized advanced study for practitioners in the field of education who wish to develop a higher level of competency. The program makes possible greater depth of specialization than is offered at the master's level, and each program of study is designed to meet the specific and unique needs of a particular professional position.

Admission to the Specialist's Degree Program

REGULAR ADMISSION to a specialist degree program is defined as follows:

1. Master's degree from a regionally accredited college or university and have a grade point average of at least 3.0 on all graduate work pursued;
2. Application on file with the Dean of the Graduate School;
3. Official transcripts on file prior to registration;
4. Minimum combined GRE score of 282 on the verbal and quantitative parts;
5. Valid teaching certificate, and
6. Two letters of recommendation from appropriate school and/or college officials on file prior to registration.

PROVISIONAL ADMISSION to a specialist degree program may be granted for one semester for students whose records, including GRE scores and letters of recommendation, have not been received.

Failure to remove provisional status after one semester will result in a registration hold, preventing further enrollment. Students may not enroll for any additional graduate level courses. Upon submitting all required records, a student may later be admitted conditionally or regularly to a specialist degree program, provided all requirements for that program are met.

CONDITIONAL ADMISSION to a specialist degree program may be granted for the first 9 semester hours of approved graduate study for students whose combined verbal and quantitative GRE score is 280 or more, but less than 282.

Conditional status in a specialist degree program may be changed to regular status by earning 9 semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all graduate work pursued. Failure to achieve regular status after 9 graduate semester hours will result in suspension from the specialist degree program.

Requirements for the Specialist's Degree

When a student is admitted to graduate study for the Educational Specialist degree, the Dean of the Graduate School will approve an advisory committee composed of the student's major professor and three other graduate faculty members; members of the student's committee will represent the principal fields of study to be included in the degree program. The committee must approve a degree program for the student in the first semester of enrollment before the student may register for additional work toward the Educational Specialist degree. This plan of study and any modifications to it, including committee changes, require the **PRIOR** approval of the Dean of the Graduate School.

General Degree Requirements

Degree candidates must complete a unified program of at least 63 semester hours of graduate credit above the bachelor's degree, including a minimum of 30 semester hours in addition to master's degree requirements.

For classroom teachers, the degree program must include a minimum of 24 semester hours of credit in professional education, 24 semester hours of credit in the teaching field(s) of the student, and an additional 12 semester hours to be selected to meet the specific needs of the student.

For school-service personnel, the degree is intended to meet the peculiar and special requirements for each type of position.

A thesis, or field study at Northwestern State University must be completed, if a thesis or field study was not completed at the master's level.

A comprehensive examination, written, oral, or both, will be required of each degree candidate.

A student must earn a minimum average of "B" on all graduate work attempted. No course in which a grade lower than "B" is received may be included as part of the 30 semester hours required beyond the master's degree.

Admission Requirements

For each plan of study the College designates specific courses which must be included in the program.

To be eligible for admission to candidacy for the specialist's degree, a student must:

- Have been admitted officially to the program;
- Have an approved major professor and committee form on file;
- Have completed a minimum of 12 semester hours of graduate work, beyond the master's degree, at Northwestern State University;
- Have earned a grade of B or better on all graduate work pursued.

Residence Requirement/Transfer Credit

A maximum of nine semester hours of graduate credit at a regionally accredited college or university may be included as part of the required 30 semester hours beyond the master's degree providing the institution is regionally accredited, the grade earned is B or above, and the course is completed within the six-year time limit.

The Thesis, Research Project, or Field Study

The Graduate School updates its policies and procedures for theses, field studies, creative research, and research papers-in-lieu-of-thesis annually in its publication *General Guidelines for Theses, Field Studies, Creative Research, or Research Papers-in-Lieu of Thesis*. This publication is also available on the Graduate School's Web page.

Minimum and Maximum Course Load

The maximum amount of course work for which a graduate student may register in a regular semester is 16 semester hours (12 in the 12 week summer session). The minimum load for a full-time graduate student in a regular semester is 9 semester hours (6 in a summer session). The maximum course load of a student may be reduced at the discretion of the major professor/advisor. A graduate student is considered full-time when enrolling for 6 credit hours for the summer.

Grades and Quality Points

Grades

Students are graded in their studies on the quality of work. Five grades are in use, as follows: A (excellent), B (good), C (average), D (below average), and F (failure). A course with a grade of "Pass" or a grade of "D" may not be used to satisfy a course requirement for a graduate degree.

A grade of "I" (Incomplete) means that course work is incomplete due to circumstances beyond the control of the student and that successful completion of this work could lead to a passing grade. A grade of "IP" (In progress) means that work in a research or thesis course is incomplete, but in progress. Continuous registration in courses where "IP" grades are awarded is required. Except for thesis courses or those courses in which the student is writing a formal research project-in-lieu of a thesis, incomplete grades must be removed within 60 calendar days after the end of the term in which the grade was assigned. If the work is not completed within the allotted time, the grade of "I" will be changed to "F". Students enrolled in a course for which a grade of "IP" is allowed must remain continuously enrolled (except summer) or a grade of "F" will be given. A waiver of this policy may be given by the Dean of the Graduate School.

If a student earns more than six hours in thesis the student's transcript will provide only six hours of grades for thesis. All other "IP" grades will remain "IP" on the transcript. The student's thesis director and the Dean of the Graduate School will determine which six hours of "IP" will be changed to the letter grade assigned by the thesis director when the thesis is satisfactorily completed.

A grade of "W" represents an official withdrawal from the course.

Quality Points

In addition to earning credit hours for courses satisfactorily completed, students earn quality points according to the semester grades they make in the courses pursued. The following table is used in computing quality points:

- Grade A yields four points per semester hour of credit represented.
- Grade B yields three points per semester hour of credit represented.
- Grade C yields two points per semester hour of credit represented.
- Grade D yields one point per semester hour of credit represented.
- Grade F yields no credit.

Note: Earning the grade of F in any graduate-level course will result in dismissal from the student's degree program, regardless of the student's overall grade point average. This dismissal is subject to appeal.

Grade Appeal

Graduate students who receive grades they believe do not reflect the quality of their work may appeal these grades within 120 days following the academic period in which the grades were earned. The procedure for appeal is as follows:

1. The student should consult the instructor to see if an understanding can be reached. The student is entitled to an explanation as to how the grade was determined and to examine any tests, papers, or other information pertinent to the appeal.
2. If the conference with the instructor is not satisfactory, the student should secure a Grade Appeal Form from the Dean of the Graduate School. The student may discuss the appeal

informally with the Dean of the Graduate School if the student so desires.

3. In filing a formal appeal, the student should complete the appeal form, 1. stating the nature of the appeal, 2. providing a detailed description of the justification, and 3. requesting a specific action. Since the written appeal will be the basis for the ultimate decision, the student should ensure that it is clear, complete, and inclusive of all documentation the student wishes to have considered in the appeal process. It is the student's responsibility to present written evidence that the instructor made an error or acted arbitrarily or capriciously in assigning the grade.
4. The student should submit the completed appeal form to the instructor for review. If a solution is not found, the instructor should provide a written response to the student's appeal, providing documentation as to how the grade was determined. The instructor's response should include a copy of the course outline or syllabus provided to the student's class at the beginning of the semester or term.
5. After having met with the instructor and obtaining his or her written response to the appeal, the student may submit the form to the head of the academic department that owns the course. Following a review of the student's appeal and the instructor's response, the department head or dean of the college should provide his or her written opinion of the appeal along with any additional, pertinent information.
6. If the student is unsatisfied with the opinion of the department head (or dean of the college), he or she may submit the appeal to the Dean of the Graduate School. The Dean of the Graduate School may make a decision, which would be final, or refer the appeal to the University Graduate Council for review and recommendation. The Council's report would be a recommendation to the Dean of the Graduate School, whose decision would be final. The Dean of the Graduate School will notify the student of the final decision.

Graduate Assistantships

Graduate assistantships are available for highly qualified graduate students. To be eligible for a graduate assistantship, the student must:

1. Be accepted into a graduate degree program (master's or specialist)
2. Achieve "regular admission" status
3. Be considered a "full-time" student at Northwestern State University.

The minimum credit course load for graduate assistants in the fall/spring semesters is nine semester hours of which at least six semester hours must be for graduate credit. The maximum course load for graduate assistants is twelve semester hours. To be eligible to retain the assistantship, the student must:

1. Maintain a B average in all graduate courses
2. Meet all other stated requirements of the Graduate School

Out-of-state tuition, if applicable, is waived for graduate assistants.

Applications for assistantships should be directed to the Dean of the Graduate School.

THE LOUISIANA SCHOLARS' COLLEGE

Room 110, Morrison Hall

318-357-4577

lscrecruits@nsula.edu

Director: T. Davina McClain, *Associate Professor*

Assistant Director: Shirley (Holly) Stave, *Professor*

Professors Emeritus: Barnard F. Snowden

Professors: Bezoari, Cochran, Jensen, Phifer, Wolffe

Associate Professors: Dromm, Keele, Means, Muravitsky, Picht

Established by the Louisiana Board of Regents for Higher Education in 1987, the Louisiana Scholars' College serves as the state's selective-admission honors college of the liberal arts and sciences. Its mission is to provide highly motivated students with a rigorous, customized honors education firmly grounded in the liberal arts and sciences. Building upon a broad and coherent Common Curriculum and through close collaboration with one or more faculty advisors, students design individualized plans of study for a Major in Liberal Arts with a Concentration in one of five areas – Humanities and Social Thought, Scientific Inquiry, Fine and Performing Arts, Foreign Language, or Philosophy, Politics, and Law – or pursue advanced study in a traditional Major offered in cooperation with the Colleges of Arts, Letters, Graduate Studies and Research, Education and Human Development, Nursing and Allied Health, and Science, Technology, and Business. Each of these undergraduate curricula culminates in a senior thesis or project.

I. THE COURSE OF STUDY

The academic experience in the Louisiana Scholars' College has three components: a) the **Common Curriculum** required of all students; b) a traditional **Major** or individualized **Concentration** within the Major in Liberal Arts; and c) a selection of **Additional Electives**.

An Overview of the Curriculum

	Total Credits
THE COMMON CURRICULUM	58-59
THE MAJOR OR CONCENTRATION	42-86
APPROVED ELECTIVES	
(varies by major or concentration)	0-24
TOTAL CREDITS FOR GRADUATION	120-145

A. THE COMMON CURRICULUM

The Common Curriculum is a comprehensive, integrated, four-year course of study undertaken by all students in the College. This series of courses replaces the University core curriculum. No grade lower than a C may be used to satisfy Common Curriculum requirements.

SCTT 1810, 1820, 2810, 2820 Text and Traditions I-IV	17
SCTT 3810 Democratic Vistas	4
SCRT 181W Critical Reading, Critical Writing	3
SBIO 1830-31, SECL 1910-11, or 1920-21 Biology or Ecology	4
SCHM 1840-41 or PHYS 2030-31 or 2510-11	4
A two-semester science sequence from those listed above	4
SLSC 4900	1
SSCI 2010, 2020, and 2030 Science Seminar	3
SMAT 1810 or 2 of SMAT 1820, 1830, and 1840	5/6
SFRE 1810, 1820, 2820, 2830; SGRK 1810, 2810, 2820, 2830; SLTN 1810, 2810, 2820, 2830; or SSPN 1810, 2810, 2820, 2830	12
SOR 1010 Orientation	1
	58/59

B. THE MAJOR OR CONCENTRATION

Students in the Louisiana Scholars' College deepen their understanding of a specialized area of inquiry, while preparing for advanced study and careers in professions such as medicine, law, business, education, scientific research, public administration, the foreign service, and many other fields. Depending upon their interests, they may pursue either a traditional Major in a single discipline, or they may pursue a multidisciplinary or interdisciplinary Concentration within the Major in Liberal Arts, a unique program which offers students a greater opportunity to develop an individualized degree program of enhanced academic rigor. Each option emphasizes the flexibility of mind, the breadth of experience, and the solid grounding in the liberal arts increasingly demanded by corporations and the professions. Students declare a major and begin to focus their academic program by the end of the sophomore year.

Traditional Majors

In cooperation with the Colleges of Arts, Letters, Graduate Studies and Research, Education and Human Development, Nursing and Allied Health, and Science, Technology, and Business, Scholars' College students may pursue a variety of traditional majors by undertaking specified advanced work in academic departments outside the Scholars' College. Majors in the following areas lead to the Bachelor of Arts degree: Elementary Education, English, English Education, History, and Theatre. Students interested in performance may complete the Bachelor of Music degree. The Bachelor of Music Education is also available with concentrations in Instrumental Music, Vocal Music, and Instrumental and Vocal Music. The Bachelor of Fine Arts has concentrations in Graphic Communication and Studio Art. In addition, the following majors are available, leading to the Bachelor of Science degree: Accounting, Biology, Business Administration, Computer Information Systems, Health and Exercise Science, and Psychology. A major in nursing will lead to the Bachelor of Science in Nursing. Students who pursue one of these majors will have an advisor in the Scholars' College and an advisor in the major department to direct the student's work within the major. The required courses for Scholars' College students completing majors in other colleges are listed at the end of this section. All students must complete the Common Curriculum (no grade lower than a C may be used to satisfy this requirement), specific core choices as well as support courses required for individual majors, and a number of electives. Majors requiring a minor are also indicated. Students in all majors are required to complete a senior thesis in their area.

Major in Liberal Arts

Within the Major in Liberal Arts, each of the Concentrations—Humanities and Social Thought, Scientific Inquiry, the Fine and Performing Arts, Foreign Language or Philosophy, Politics, and Law—requires that students complete at least 45 credits, including the thesis, from a list of approved

courses in the appropriate disciplines. Those majoring in the Liberal Arts submit a Declaration of Concentration at the end of the sophomore year, articulating the direction of their academic program, its organizing principles, and its purpose. Although the design of the Concentrations allow flexibility in the choice of courses, students are expected to work in close consultation with one or more faculty advisors to design a coherent course of study.

Students concentrating in Humanities and Social Thought will choose from courses in such disciplines as anthropology, classics, economics, history, foreign languages, literature, philosophy, political science, and sociology. Those concentrating in Scientific Inquiry will select from offerings in the life sciences, the physical sciences, and mathematics and computer science. Students in the Fine and Performing Arts Concentration focus their studies on the history and performance of the visual arts, music, dance, or theatre. Students in the Foreign Language concentration will choose from courses in English, French, Greek, History, Latin, and Spanish. Lists of approved courses for all concentrations are available in the Scholars' College office, 110 Morrison Hall.

Working with one or more faculty advisors, students will develop individualized curricula within the basic guidelines for the degree, subject to approval by the director. This academic plan should be multidisciplinary or interdisciplinary in nature, yet should have a clear focus, provide for both breadth and rigor, and prepare the student to complete the senior thesis or project. Academic plans which duplicate existing degrees will not be approved. Appropriate course prefixes include:

Concentration in Humanities and Social Thought (language, literature, and the social/behavioral sciences): ANTH (anthropology), CJ (criminal justice), ECON (economics), EPSY (educational psychology), ENGL (English), FREN (French), GEOG (geography), HPRE (historic preservation), HIST (history), HUM (humanities), JOUR (journalism), PHIL (philosophy), PSCI (political science), PSYC (psychology), SST (social studies), SOWK (social work), SOC (sociology), SPAN (Spanish), THEA (theatre), and the Scholars' College prefixes SCLA, SECL, SECO, SENG, SFRE, SGLT, SGRK, SHIS, SHPS, SHST, SHUM, SLSC, SLTN, SPHI, SSOT, SSPN.

Concentration in Scientific Inquiry (life sciences, physical sciences, and mathematics): BIOL (biology), CHEM (chemistry), COMP (computer), CIS (computer information systems), CSC (computer science), GEOL (geology), MATH (mathematics), PHIL (philosophy), PHYS (physics), STAT (statistics), and the Scholars' College prefixes SBIO, SCHM, SECL, SHPS, SLSC, SMAT, SPHI, SSCI, and SSTA.

Concentration in Fine and Performing Arts (visual arts, dance, music, and theatre): ART (art), DAN (dance), ENGL (English), FACS (family and consumer sciences), FA (fine arts), HPRE (historic preservation), JOUR (journalism), MRCH (merchandising), MUS (music), PHIL (philosophy), PHOT (photography), COMM (communication), THEA (theatre), and the Scholars' College prefixes SART, SFPA, and SLSC.

Concentration in Foreign Language: French: SFRE, FREN, HIST, SHIS; **Latin:** SLTN, HIST, SHIS, SHST, SART, SCLA; **Spanish:** SSPN, SPAN, SHIS, HIST.

Concentration in Philosophy, Politics, and Law (economics, history, philosophy, and political science): SECO (economics), SPHI (philosophy), SHIS (history), PHIL (philosophy), PSCI (political science).

Students wishing to apply other courses towards their concentration requirements must petition the Director for approval.

C. THE THESIS

The thesis project is the culmination of a student's academic work. Though theses will vary in length and scope, each is to be a substantial work of scholarship, criticism, scientific research, or artistic execution. The thesis should demonstrate the student's familiarity with existing work in his or her field, together with the ability to define a significant topic or problem, to carry out independent scholarly research, to analyze evidence, and cogently to sustain a complex written argument. At the completion of the project, each student presents and defends his or her work to the College and the University community at large.

Each year the College publishes a Thesis Calendar of due dates and guidelines for those who are researching and writing or performing senior projects.

D. APPROVED ELECTIVES

Many of the courses in the Common Curriculum, the Majors, and the Concentrations are, in effect, electives, chosen by the student in consultation with the advisor. The phrase "Approved Electives" refers to those credits, which vary from major to major, over which the student exercises virtually complete control, subject to the expectation that these courses be part of a rigorous and coherent academic plan. Scholars' College electives include: any course offered by the College; courses used to complete a minor or a second major; additional courses in the major area of interest; performance or other courses in the arts (no more than 8 hours of ensembles may be counted towards graduation requirements); courses required for performance scholarships; HED 1010; and credits earned by international study. The advisor and the Director must approve other electives.

E. OPPORTUNITIES FOR STUDY ABROAD

Through Northwestern International, the International Student Exchange Program (ISEP), The Council for the Development of French in Louisiana (CODOFIL), and the Interuniversity Mission for the Coordination of Franco-American Exchanges (MICEFA), undergraduates in the College are eligible to take part in a wide variety of foreign study programs. Over the past several years, students have traveled with College faculty in Italy and have studied at participating ISEP institutions in Canada, Mexico, Great Britain, Ireland, Finland, Sweden, Iceland, the Netherlands, and Malta, to name a few. Northwestern is also part of the Classical Consortium of the University of Louisiana System, a member of the Intercollegiate Center for Classical Studies in Rome (ICCS), providing students an opportunity to study ancient history and archeology, Greek and Latin literature, and ancient art in Rome.

II. ACADEMIC ADVISING

The flexibility and individualized nature of the College curriculum and the high degree of autonomy exercised by students in shaping their academic programs makes the advising process especially important. All students are assigned an advisor within the College, with additional advisors from the College or University assigned as warranted by the student's interests. Those electing to pursue a major other than Liberal Arts will be assigned an advisor in the major department, in addition to their Scholars' College advisor,

specifically to direct the work within the major. Each student's progress is subject to periodic review by faculty advisory groups, as well as by the Director of the College.

III. THE HONOR CODE

The community of students, faculty, and staff of the Louisiana Scholars' College trusts that its members will act honorably in every endeavor. The College's Honor Code promotes individual and communal responsibility and directly involves all of us in maintaining our academic community. This Code represents a voluntary and internal standard, separate from state and University regulations, for encouraging the highest level of individual respect and ethical behavior.

IV. GRADUATION REQUIREMENTS AND HONORS

All those who satisfactorily complete the Common Curriculum (no grade lower than a C may be used to satisfy this requirement), their Major or Concentration requirements, their other senior course work, and their thesis while earning a cumulative Grade Point Average of 3.0 or higher, are awarded the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music, Bachelor of Music Education, Bachelor of Nursing, or Bachelor of Science degree in the Louisiana Scholars' College at Northwestern State University. The Major, Concentration, and thesis title are recorded on each graduate's transcript. Those whose academic record and thesis reflect unusual intellectual accomplishment and who have been active in the life of the College and University are chosen each year by the faculty to be awarded degrees "with distinction" or "with highest distinction." Scholars' College students are also eligible to receive the scholastic honors *cum laude*, *magna cum laude*, and *summa cum laude* from the University.

V. ADMISSION

The College seeks highly motivated students interested in an exciting liberal arts education. Candidates begin by submitting the College's application for admissions and scholarships, together with teacher and guidance counselor recommendations, and an essay. An interview, either in person or by telephone, is required, and a campus visit is strongly encouraged. Requirements include:

1. ACT composite of at least 25 or SAT composite of at least 1130; and
2. no ACT subscore below 20 or no SAT subscore below 480; and
3. unweighted high school grade point average in the Regents' Curriculum of at least 3.0 on a 4.0 scale; and
4. satisfactory evaluation of strength of high school program, counselor and teacher recommendations, essay, interview, honors and activities by the Scholars' College Admissions Committee.

Students who do not meet one of the criteria above may be considered for provisional admission for one semester, after which their performance will be reevaluated and admission to the College either offered or denied. Admission decisions are made on a rolling basis as applicants' files are completed, until the entering class is filled. Students are encouraged to complete their applications by December 1 to meet scholarship priority deadlines, although later applications are welcome. For further information, contact the College or the Office of University Recruiting at Northwestern State University.

VI. COURSE CREDIT

Students who have an ACT English score of 31 or higher, and who have completed a 2000+ level course with a substantial writing requirement, will receive credit for SCRT 181W.

VII. SCHOLARSHIPS, WORK-ASSISTANTSHIPS, AND FINANCIAL AID

The College's Application for Admission serves as an application for all academic scholarships the University offers, including the prestigious Louisiana Scholars' College Scholarship. Undergraduate work-assistantships are also available assisting in the library, in the computer center or scientific laboratories, in the office of the College, or in some other area of particular interest to the student. In addition to academic awards, students in the College may also qualify for Pell grants, PLUS loans, ROTC scholarships, and other forms of financial assistance. Students who are not Louisiana residents may qualify for out-of-state fee waivers.

Liberal Arts (820)

To better distinguish this major from professional discipline areas (e.g., Criminal Justice, Communication, Social Work, Music/Dance/Theatre Performance), the following courses may not be applied towards concentration requirements for this degree: CIS 4220; DAN 1100, 1110, 1120, 1130, 1140, 1150, 1170, 1180, 4800; COMM 1980, 3430, 3440, 4420; MUS 1010, 1020, 1040, 3090, 3100, 4400; SOWK 3120, 3130, 3140, 3180, 4050, 4220; THEA 4250, 4360, and 4390.

Liberal Arts Major Requirements: For a major in Liberal Arts, students complete SOR 1010, the Scholars' College Core Curriculum, and one of the College's concentrations. Specific core requirements, where applicable, are noted in the 4-year curriculum of the concentrations.

Available Concentrations:

Concentration in Fine and Performing Arts (820C): 39 hours of fine arts courses of which 24 hours must be at 3000 or above (28 credit hours must be in one discipline; at least 3 credit hours must be in a different fine and performing arts discipline); SLSC 4000; SFPA 480T, 482T; and 13-16 hours of academic electives—120 hours.

Concentration in Foreign Language (820D): 12 hours of a second foreign language⁴⁻⁵; SLTN 2880; SHUM 480T, 482T and SLSC 4000 on topic pertaining to target language; and one of the following options—120 hours:

French - SFRE 1810, 2810, 2820, 2830; one of SHIS 3810, SHIS 3880 (Louis XIV, Rousseau, or Napoleon), HIST 3220, HIST 3250 or 3 hours of history of at least one country where French is spoken; SFRE 2840; SFRE 3810; 15 hours from SFRE 3810, 3890.

Latin - SLTN 1810, 2810, 2820, 2830; 2 courses from HIST 3090, 3100, 4040, 4150, SHIS 3880 (Augustus), SCLA 3810; 18 hours from SLTN 3810, 3890.

Spanish - SSPN 1810, 2810, 2820, 2830; 3 hours of history of at least one country where Spanish is spoken; SPAN 3060 or 3070; SPAN 4210; SPAN 3080 or 3090; 12 hours from SSPN 3890, 3100, or 3110.

Concentration in Humanities and Social Thought (820B): 44 hours of humanities or social science electives (27 hours must be courses with Scholars' College prefixes; 33 hours must be at the 3000/4000 level)¹, including one of SART 3820; SECL 3800; SECO 3840, 3850, 3860; SHIS 3700, 3710; SLSC 3800, 3810 or 4820; and one of SBIO 3880; SENG 3810, 3820,

3880; SHIS 3880; or SPHI 3880; 12 hours of academic electives (6 hours of which must be courses with Scholars' prefixes); SLSC 4000, SHUM 480T, SHUM 482T.—120 hours.

Concentration in Philosophy, Politics, and Law (820F): PHIL 1010, PHIL 2030, or SPHI 3850; two of SPHI 3710, 3740, 3810, or 3840; 2 hours of SPHI 3890; 4 hours of courses with the SPHI or PHIL prefix at the 3000 or 4000 level; PSCI 2090; 12 hours of courses with the PSCI prefix at the 3000 or 4000 level; SECO 2810; 12 hours of courses with the SECO prefix at the 3000 or 4000 level; 9-10 hours of academic electives; SLSC 4000; SHUM 480T; SHUM 482T.

Concentration in Scientific Inquiry (820A): 44 hours of science courses, 24 hours of which must be at 3000 or above¹; SLSC 4000, SSCI 480T, 482T; 9 hours of academic electives which must be approved by the student's academic advisor—120 hours.

Liberal Arts Minor Requirements: (24 semester hours) distributed as follows: at least 8 credit hours taken from courses with the following prefixes: SBIO, SCHM, SECL, SHPS, SMAT, SSCI, and SSTA and SLSC 4820; at least 8 credit hours taken from courses with the following prefixes: SART, SCLA, SECO, SENG, SFPA, SFRE, SGLT, SGRK, SHIS, SHUM, SLTN, SPHI, and SSPN and SLSC 2000, 3880, 3810, and/or 4820; and additional courses from such areas as biology, chemistry, ecology, mathematics, interdisciplinary sciences, statistics, anthropology, art history, classics, economics, English, French, Greek, history, interdisciplinary humanities and social thought, Latin, philosophy, sociology, and Spanish. At least 12 hours must be taken at the 3000 or 4000 level. No more than 4 hours taken at the 1000 level may be applied to the minor. Up to 6 hours may be taken outside the Scholars' College in equivalent disciplines.

Classics Minor Requirements: At least 21 hours of Latin (SLTN) or Greek (SGRK) and classical studies, selected from SLTN 1810, 2810, 2820, 2880, 3810, 3890; SART 3820; SCLA 3810; SGRK 1810, 2810, 2820, 2830, 3890; SHIS 3880 (subtitle 12—Augustus Caesar); SPHI 2830, 3880 (subtitle 01—Plato); SHST 3810; HIST 3090, 4140, 4150.

Philosophy Minor Requirements: PHIL 1010, 2030 or SPHI 3850; two courses from SPHI 2830, 2840, 3810, or 3840; and five additional hours of philosophy with the PHIL or SPHI prefix. (19 hours).

Philosophy, Politics, and Law Minor Requirements: PHIL 1010, 2030, or SPHI 3850; PSCI 2090; SECO 2810; and 9 hours of courses with the PHIL, SPHI, SECO, or PSCI prefixes at the 3000-4000 level. (18-19 hours).

Footnotes:

¹ To include at least one interdisciplinary course; Scholars' College students are required to complete at least one upper-level course in which a significant term paper is required and a Major Figure course. At least 20 hours of humanities electives must come from courses with Scholars' College prefixes. Interdisciplinary courses: SART 3820; SECL 3800; SECO 3840, 3850, 3860; SHIS 3700, 3710; SLSC 3800, 3810, 4820. Major Figures—SBIO 3880; SENG 3810, 3820, 3880; SHIS 3880; SPHI 3880; SENG 3830, 3860; SGLT 3810; SHIS 2010, 3700, 3710, 3720, 3810, 3840, 4820; SHST 3810, SLSC 3800, 3810; SPHI 2830, 2840, 3810, 3820, 3830. No course may fulfill more than one category in any curriculum. Students may petition for permission to count other courses.

² To include a second semester of calculus; a 2 course sequence in both life and physical science with labs; an additional computer science, math or statistics elective at the 2000 level or above; and a course in logic (math or philosophy), ethics, or the history or philosophy of math or science; Scholars' College students must also complete at least 2 hours of a science research seminar.

³ Electives must include at least 28 hours in one discipline and 3 hours from a second discipline, i.e., art, dance, music, photography, theatre.

⁴ Included in core requirements.

⁵ Open university students may substitute one of the following sequences: FREN 1010, 1020, 2010, 2020; or SPAN 1010, 1020, 2010, 2020.

Curriculum for Concentration in Fine and Performing Arts (820C)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SSPN/SFRE/SGRK/SLTN ¹	6
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
SOR 1010	1
Fine and Performing Arts courses	8
	30-32

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	6
SSCI 2010	1
Fine and Performing Arts courses	7
	30

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
SBIO/SECL/SCHM/PHYS ²	4
SSCI 2020, 2030	2
Fine and Performing Arts courses at 3000/4000 level	16
	30-32

FOURTH YEAR	SEM. HRS.
SFPA 480T, 482T	5
Fine and Performing Arts courses at the 3000/4000 level	8
SLSC 4900	1
Academic Electives ³	16
	30

Total Semester Hours for Degree:.....120

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ A minimum of 12 credit hours of academic electives must be courses with Scholars' prefixes.

Curriculum for Concentration in Foreign Languages (820D): French

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SFRE 1810, 2810	6
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810	6-5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI 2010	1
	29-30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SFRE 2820, 2830	6
SSCI 2020	1
1 from SHIS 3810, 3880 (Louis XIV, Rousseau, or Napoleon), HIST 3250, or 3 hours of history from a country in which French is spoken	3-4
SLTN 2880	3
	29-30

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SFRE 2840, 3810	6
SSPN/SGRK/SLTN ¹	6
SSCI 2030	1
Academic Electives ³	12-13
	30-31

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
SSPN/SGRK/SLTN ¹	6
12 hours from SFRE 3810, 3890	12
Academic Electives ³	6-7
	30-31
Total Semester Hours for Degree:	120

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ A minimum of 12 hours must be courses with Scholars' prefixes.

Curriculum for Concentration in Foreign Languages (820D): Latin

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SLTN 1810, 2810	6
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, or 2000, 2810	6/5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI 2010	1
	29-30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SLTN 2820, 2830	6
1 from HIST 3090, 3100, 4040, 4150, SHIS 3880 (Augustus), SCLA 3820	3-4
SLTN 2880	3
SSCI 2020	1
	29-30

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK ¹	6
SSCI 2030	1
1 from HIST 3090, 3100, 4040, 4150, SHIS 3880 (Augustus), SCLA 3820	3-4
Academic Electives ³	8
SLTN 3810, 3890	8
	31-32

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
SSPN/SFRE/SGRK ¹	6
SLTN 3810, 3890	10
Academic Electives ³	7-8
	29-30
Total Semester Hours for Degree:	120

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ A minimum of 12 hours must be courses with Scholars' prefixes.

Curriculum for Concentration in Foreign Languages (820D): Spanish

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SSPN 1810, 2810	6
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000, or 2810	6/5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI 2010	1
	29-30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN 2820, 2830	6
3 hours of history from at least one country where Spanish is spoken	3
SSCI 2020, 2030	2
SLTN 2880	3
	30

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SPAN 3060 or 3070, 4210	6
SFRE/SGRK/SLTN ¹	6
Academic Electives ³	4-5
9 hours from SSPN 3890; SPAN 3100, 3110	9
	30-31

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
SPAN 3080 or 3090	3
SFRE/SGRK/SLTN ¹	6
6 hours from SSPN 3890; SPAN 3100, 3110	6
Academic Electives ³	9
	30

Total Semester Hours for Degree:	120
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Footnotes

¹ A minimum of 9 credit hours of academic electives must be courses with Scholars' prefixes.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ All 12 credit hours must be of the same language.

Curriculum for Concentration in Humanities and Social Thought (820B)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SSPN/SFRE/SGRK/SLTN ¹	3-6
SBIO/SECL/SCHM/PHYS ²	4
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
SOR 1010	1
Humanities and Social Thought courses	8
	31-36

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	6
Humanities and Social Thought courses	12
	34

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
SSPN/SFRE/SGRK/SLTN ¹	3-6
SSCI 2010, 2020	1
Humanities and Social Thought courses	14
	26-31

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
SSCI 2030	1
Humanities and Social Thought courses	10
Academic Electives ³	12
	29

Total Semester Hours for Degree:	120
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Footnotes

¹ A minimum of 6 credit hours of academic electives must be courses with Scholars' prefixes.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ All 12 credit hours must be of the same language.

Curriculum for Concentration in Philosophy, Politics, and Law (820F)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820.....	9
SSPN/SFRE/SGRK/SLTN ⁵	3-6
SBIO/SECL/SCHM/PHYS ⁴	4
SCRT 181W.....	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810.....	6-5
SOR 1010.....	1
PHIL 1010, 2030, or SPHI 3850.....	3
	28-32

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SBIO/SECL/SCHM/PHYS ⁴	8
SSPN/SFRE/SGRK/SLTN ⁵	6
SECO 2810.....	4
SECO ¹	3
PSCI 2090.....	3
SSCI 2010.....	1
	33

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SLSC 4000.....	1
SSPN/SFRE/SGRK/SLTN ⁵	0-6
2 from SPHI 3710, 3740, 3810, 3840.....	8
SECO ¹	6
SSCI 2020, 2030.....	2
PSCI ²	3
SPHI ³	4
	28-34

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T.....	5
SLSC 4900.....	1
PSCI ²	9
SECO ¹	3
SPHI 3890.....	2
Academic electives.....	9-10
	29-30

Total Semester Hours for Degree:.....120

Footnotes

- ¹ Courses with the SECO prefix at the 3000 or 4000 level.
- ² Courses with the PSCI prefix at the 3000 or 4000 level.
- ³ Courses with the SPHI or PHIL prefix at the 3000 or 4000 level.
- ⁴ Student must take two of one discipline (life or physical science) and one semester of the other.
- ⁵ All 12 credit hours must be of the same language.

Curriculum for Concentration in Scientific Inquiry (820A)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820.....	9
SCRT 181W.....	3
SMAT 1820, 2810.....	8
SBIO/SECL/SCHM/PHYS ²	8
SSCI 2010.....	1
SOR 1010.....	1
	30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SBIO/SECL/SCHM/PHYS ¹	8
SSPN/SFRE/SGRK/SLTN ³	3-6
SSCI 2020, 2030.....	2
SMAT 2820 ¹	5
Science courses ¹	4
	30-33

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SLSC 4000.....	1
SSPN/SFRE/SGRK/SLTN ³	3-6
Science courses ¹	7
Science courses at 3000/4000 level.....	12
	27-30

FOURTH YEAR	SEM. HRS.
SSCI 480T, 482T.....	5
SLSC 4900.....	1
SSPN/SFRE/SGRK/SLTN ³	0-3
Science courses at 3000/4000 level.....	12
Academic electives ²	9
	27-30
Total Semester Hours for Degree:.....	120

Footnotes

- ¹ Students must complete 2 course sequence in both life and physical science with labs; one course in computer science, math or statistics elective at the 2000 level or above; and a course in logic (math or philosophy), ethics, or the history or philosophy of math or science; Scholars' College students must also complete at least 2 hours of a science research seminar.
- ² Must be approved by the student's academic advisor.
- ³ All 12 credit hours must be of the same language.

Liberal Arts Major (220)

Students seeking a degree in liberal arts, outside of the Louisiana Scholars' College must complete 68 hours within the 120 semester hour liberal arts curriculum, which include: 15 hours of courses at the 1000 and 2000 level from the College of Arts and Letters, 27 hours of courses at the 3000 and 4000 level from the College of Arts and Letters or from a concentration area, and 26 hours selected from a concentration area or from courses within the College of Arts and Letters. Degrees outside the Louisiana Scholars' College will be administered by the College of Arts and Letters (Fine and Performing Arts; Foreign Language; Humanities and Social Thought; Philosophy, Politics, and Law; and Scientific Inquiry).

JOINT MAJOR PROGRAMS

All students must complete the Common Curriculum; specific core choices as well as support courses required for individual majors are indicated with the major courses and the number of electives. Majors requiring a minor are also indicated. Students in all majors complete a senior thesis in their area; the thesis is listed as a support course unless it is substituted for courses in the major.

Accounting Joint Major

Accounting Joint Major Requirements: (72 semester hours)
Students seeking a major in Accounting must complete 72 semester hours within the Accounting curriculum, which include Accounting 1040, 2000, 2010, 3060, 3080, 3180, 3190, 3200, 4020, 4080, SSTA 3810, six semester hours of advanced accounting electives; Business Administration 2200, 3250, 3260, 3270; Computer Information Systems 2000, 3100; Management 3220, 3580, 4300; Marketing 3230; Finance 3090; support courses: SECO 2810; SBUS 4000, 480T, 482T.

Curriculum for Accounting (800)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820.....	9
SCRT 181W.....	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810.....	6-5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010.....	1
SSCI 2010.....	1
Accounting 1040.....	3
Business Administration 1800.....	3
Computer Information Systems 2000.....	3
	32-33

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SBIO/SECL/SCHM/PHYS ¹	8
SSPN/SFRE/SGRK/SLTN ¹	6
Accounting 3000, 2010.....	6
Business Administration 2200.....	3
SSTA 3810.....	3
SECO 2810.....	3
SSCI 2020, 2030.....	2
	39

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SBUS 4000.....	1
SSPN/SFRE/SGRK/SLTN ¹	6
Accounting 3000, 3180, 3190.....	9
Business Administration 3250.....	3
Computer Information Systems 3100.....	3
Finance 3090.....	3
Management 3220, 3580.....	6
Marketing 3230.....	3
	38

FOURTH YEAR	SEM. HRS.
SBUS 480T, 482T.....	5
SLSC 4900.....	1
Accounting 3060, 3200, 4020, 4080.....	12
Accounting electives.....	6
Business Administration 3260, 3270.....	6
Management 4300.....	3
	33

Total Semester Hours for Degree:.....142

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

Biology Joint Major

Biology Joint Major Requirements: core requirements: SBIO 1830, 1831, 1850, 1851; SCHM 1840, 1841, 1860, 1861; SECL 1910 and 1911 or 1920 and 1921; SMAT 2810. Support courses: SCHM 3810, 3811; SMAT 2820; SLSC 4000; SSCI 480T, 482T.

Concentration-dependent courses: 32 semester hours in one of five available concentrations (except for 838R which requires 34 semester hours).

Biology electives: 838 A, B, and R must take 11 semester hours; 838T must take 9 semester hours of any 2000 level or above Biology course, to give students the opportunity to explore subjects outside of their concentration. SSCI 480T and SSCI 482T may substitute for 5 hours of biology electives, if done on a biological topic.

Available Concentrations:

Biomedical (838A): Select from BIOL 2060-2061, 2080-2081, 2200-2201, 3060 or SSTA 3810, 3170-3171, 3250-3251, 3270-3271, 3280, 3290, 3310-3311, 3320-3321, 4120-4121, 4160-4161, 4190-4191, 4220-4221, 4270, 4300-4301, 4310-4311, 4320, 4350-4351, or 4360-4361.

Natural Science (838B): Select from BIOL 2030-2031, 2050-2051, 2080-2081, 2100-2101, 2140-2141, 2150-2151, 2180, 2290, 3010-3011, 3040-3041, 3060 or SSTA 3810, BIOL 3140-3141, 3220-3221, 3340-3341, 4040-4041, 4170-4171, 4180-4181, 4200-4201, 4220-4221, 4400-4401, or 4960.

Forensic Science (838R): Select 16 semester hours from BIOL 2070-2071, 3060 or SSTA 3810, BIOL 3061, 3500-3501, 3270-3271, 3310-3311, 3320-3321, 4300-4301, and 4160-4161, 4350-4351, and 4360-4361. Select 16 semester hours from CJ 1100, 2300, 2600, 3360, 4000, 4450, 4460 and 4470.

Clinical Laboratory Science (838T): This concentration requires acceptance into an affiliated training program approved by the Council on Allied Health Education and Accreditation. Enrollment in this concentration does not guarantee acceptance into the training program. You must take BIOL 4190-4191, 4730, 4740, 4750, 4760, 4770, 4780 and 4790.

Veterinary Technology (838V): Take VTEC 1010-1011, 1020, 1030-1031, 2060, 2090-2091, 2600, 2900, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090, 4200 and 4900.

Curriculum for Biology (838)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820.....	9
SCRT 181W.....	3
SMAT 1820, 2810.....	8
SBIO 1830, 1831, 1850, 1851.....	8
SOR 1010.....	1
SSCI 2010.....	1
	30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SCHM 1840, 1841, 1860, 1861.....	8
SSPN/SFRE/SGRK/SLTN ¹	3-6
SMAT 2820.....	5
Concentration-dependent courses ^{2,3}	8-10
SSCI 2020, 2030.....	2
	34-39

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SLSC 4000.....	1
SSPN/SFRE/SGRK/SLTN ¹	6
SCHM 3810, 3811.....	4
Biology electives ¹	3
Concentration-dependent courses ^{2,3}	12
	34

FOURTH YEAR	SEM. HRS.
SSCI 480T, 482T.....	5
SLSC 4900.....	1
SSPN/SFRE/SGRK/SLTN ¹	0-3
Biology 4900 or 4910 ²	1
Biology electives ¹	8
Concentration-dependent courses ^{2,3}	12
	27-30

Total Semester Hours for Degree:.....127/129

Footnotes

¹ SSCI 480T, 482T may substitute for 5 hours of biological electives, if the thesis is done on a biological topic.

² Student majoring in Biology must earn a grade of C or better in all BIOL core and concentration-dependent courses.

³ Refer to the different biology concentrations requirements.

⁴ All 12 hours must be of the same language.

Business Administration Joint Major

Business Administration Joint Major Requirements: specific core requirements – 6 hours from SMAT 1820, 1840, 2000; or SMAT 2810 (5 hrs.); 69 semester hours which include Accounting 2000, 2010; Business Administration 2200, 3250, 3270; SSTA 3810; Computer Information Systems 2000, 3100; Finance 2150, 3090, 4200; Management 3220, 3580, 4300; Marketing 3230; six semester hours of business electives¹; 18 semester hours of advanced business electives², including SBUS 4000, 480T, 482T.

Available Concentrations: (21 semester hours each)
Finance (810B): (21 semester hours) Finance 2150, 3090, 3100, 4200, 9 hours of advanced finance electives.

Management (810C): (24 semester hours) Management 3220, 21 hours of advanced management electives.

Marketing (810D): (21 semester hours) Marketing 3230; 18 hours of advanced marketing electives.

Footnotes

- ¹ A business elective is any course in business administration, accounting, finance, management, or marketing.
- ² An advanced business elective is any 3000 or 4000 level business administration, accounting, finance, management, marketing, or SBUS course.

Curriculum for Business Administration (810)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810	6-5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI 2010	1
Business Administration 1800	3
Computer Information Systems 2000	3
	29-30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	3-6
SECO 2810	4
Accounting 2000, 2010	6
Business Administration 2200	3
Finance 2150	3
	35-38

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SBUS 4000	1
SSPN/SFRE/SGRK/SLTN ¹	6
Business Administration 3250, 3270	6
Business Elective	3
Computer Information Systems 3100	3
Finance 3090, 4200	6
Management 3220	3
Marketing 3230	3
	35

FOURTH YEAR	SEM. HRS.
SBUS 480T, 482T	5
SLSC 4900	1
SSPN/SFRE/SGRK/SLTN ¹	0-3
SSTA 3810	3
SSCI 2020, 2030	2
Advanced business electives ³	12
Business elective	3
Management 3580, 4300	6
	32-35

Total Semester Hours for Degree: 134

Footnotes

- ¹ All 12 credit hours must be of the same language.
- ² Students must take two of one discipline (life or physical science) and one semester of the other.
- ³ A thesis done on a business topic may replace 6 credit hours of advanced business electives.

Computer Information Systems Joint Major

Computer Information Systems Joint Major Requirements: specific core requirements: SMAT 1820 and 1840, or SMAT 2810; support courses: SECO 2810, SSTA 3810; major courses—CIS 1030, 2020, 2100, 2980, 3000, 3020, 3300, 3400, 3900, 4000, 4020, and 4600; SBUS 4000, 480T, and 482T. Additionally, the following CIS support courses are required: ACCT 2000 and 2010; BUAD 3270 and 3280; FIN 3090; MGT 3220 and 3580; MKTG 3230.

Curriculum for Computer Information Systems (802)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SSPN/SFRE/SGRK/SLTN ¹	3
SCRT 181W	3
SMAT 1820 and 1840 or SMAT 2810	5-6
Computer Information Systems 1030, 2020, 2100	9
SOR 1010	1
	30-31

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	6
SSCI 2010	1
Computer Information Systems 2980	3
Accounting 2000, 2010	6
SECO 2810	4
	36

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SBUS 4000	1
SBIO/SECL/SCHM/PHYS ²	4
SSCI 2020, 2030	2
Computer Information Systems 3000, 3020, 3300, 3400	12
Business Administration 3270, 3280	6
SSTA 3810	3
SSPN/SFRE/SGRK/SLTN ¹	3
	35

FOURTH YEAR	SEM. HRS.
SBUS 480T, 482T	5
SLSC 4900	1
Computer Information Systems 3900, 4000, 4020, 4600	12
Finance 3090	3
Management 3220, 3580	6
Marketing 3230	3
	30

Total Semester Hours for Degree: 131-132

Footnotes

- ¹ All 12 credit hours must be of the same language.
- ² Students must take two of one discipline (life or physical science) and one semester of the other.

Criminal Justice Joint Major

Criminal Justice Joint Major Requirements: (46 semester hours) Students seeking a major in Criminal Justice must complete 46 semester hours within the 120 semester hour Criminal Justice curriculum, which include Criminal Justice 1100, 2300, 2400, 2500, 3040, 3090, 3350, 3360, 3380, 4200 (or UP5A 4200), 4250, 4450, 4460, 4480, 4500; Sociology 4080; PSCI 2010, PSYC 2450, 3090.

Curriculum for Criminal Justice (850)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SCRT 181W	3
1 from SMAT 1820, 1840, 2000; or 2810	3-5
SBIO/SECL/SCHM/PHYS ²	8
SOR 1010	1
Criminal Justice 1100, 2300	6
	30-32

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	4
SSPN/SFRE/SGRK/SLTN ¹	6
1 from SMAT 1820, 1840, 2000; or 2810	3-5
SSCI 2010, 2020	2
Criminal Justice 2400, 2500	6
Political Science 2010	3
	32-34

THIRD YEAR	SEM. HRS.
SCCT 3810	4
SSPN/SFRE/SGRK/SLTN ¹	6
SSCI 2030	1
SLSC 4000	1
Psychology 2450	3
Criminal Justice 3040, 3350, 3380, 4250, 4450	15
	30
FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
Criminal Justice 3090, 3360, 4200 (or UPSA 4200), 4460, 4480, 4500	17
Political Science 3090	3
Sociology 4080	3
	29
Total Semester Hours for Degree:	121

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

Electronic Engineering Technology Joint Major

Electronic Engineering Technology Joint Major Requirements: (64-67 semester hours) Students seeking a major in Electronics Engineering Technology must complete 64-67 semester hours, within the 124 semester hour Electronics Engineering Technology curriculum, which include the 45 semester hour Electronics Engineering Technology core and a 19-22 semester hour concentration.

Core: (45 semester hours) Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331, 2320-2321, 3310-3311, 3340-3341, 3360-3361, 4300-4301, 4390, 4940; Industrial Engineering Technology 1400, 1700, 4750; CIS 1060.

Available Concentrations:

Electronics (843A): (19 semester hours): Electronics Engineering Technology 4310-4311, 4350-4351, 4950; Industrial Engineering Technology 2790; and six additional hours of technical electives.

Biomedical (843B): (22 semester hours): Biomedical Engineering Technology 3320-3321, 3370-3371, 4950 (6 hours); and Biology 2220-2221, 2230-2231.

Curriculum for Electronic Engineering Technology (843)

FIRST YEAR	SEM. HRS.
SCCT 1810, 1820	9
SBIO/SECL	4
SCRT 181W	3
SMAT 1820, 2810	8
SOR 1010	1
Electronic Engineering Technology 1300, 1301, 1311, 1320, 1321, 1330, 1331	13
Industrial Engineering Technology 1700	1
	39
SECOND YEAR	SEM. HRS.
SCCT 2810, 2820	8
Physics 2030, 2031, 2040, 2041	8
SSPN/SFRE/SGRK/SLTN ¹	3-6
Electronic Engineering Technology 2320, 2321, 3340, 3341, 3360, 3361	12
Electronic Engineering Technology concentration	0-3
Industrial Engineering Technology 1400	3
	34-40

THIRD YEAR	SEM. HRS.
SCCT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK/SLTN ¹	6
SCHM 1840, 1841	4
SSCI 2010	1
Electronic Engineering Technology 3310, 3311, 4300, 4301, 4390	11
Electronic Engineering Technology concentration	5-8
	32-35
FOURTH YEAR	SEM. HRS.
SCCT 480T, 482T	5
SLSC 4900	1
SSCI 2020, 2030	2
SSPN/SFRE/SGRK/SLTN ¹	0-3
Computer Information Systems 1060	3
Electronic Engineering Technology 4940	2
Electronic Engineering Technology concentration	11-14
Industrial Engineering Technology 4750	3
	27-33
Total Semester Hours for Degree:	138-141

Footnotes

¹ All 12 hours must be of the same language.

Elementary Education, Grades 1-5 Joint Major

Elementary Education, Grades 1-5 Joint Major Requirements: specific core requirements – 2 of SMAT 1820, 1830 or 1840; SBIO 1830, 1831; SCHM 1840, 1841, 1860, 1861. Support courses: ART 2040; EDUC 3140; GEOG 1010, 3050; HED 1010; HP 3120; MATH 2030, 2040; MUS 2100; SECL 1910 and 1911 or SECL 1920 and 1921; SHUM 480T, 482T; SLSC 4000; SST 3030 or HIST 3040. Major courses – EDUC 2020, 3100, 3210, 4080, 4230, 4330, 4430, 4960; EPSY 3000, 2020; MATH 2050 or 4050 or SSTA 3810; RDG 3030, 3040, 3060; SPED 3460.

Curriculum for Elementary Education, Grades 1-5 (8102)

FIRST YEAR	SEM. HRS.
SCCT 1810, 1820	9
SSPN/SFRE/SGRK/SLTN	3/6
SCRT 181W	3
2 from SMAT 1820, 1830, 1840 or 2000	6
SOR 1010	1
SBIO 1830, 1831	4
SECL 1920, 1921	4
Education 2020	3
Health Education 1010	2
SSCI 2010	1
	36-39
SECOND YEAR	SEM. HRS.
SCCT 2810, 2820	8
Educational Psychology 2020	3
SSCI 2020	1
Special Education 3460	3
SCHM 1840, 1841, 1860, 1861	8
SSPN/SFRE/SGRK/SLTN	6
Reading 3030	3
Mathematics 2030, 2040	6
	38
THIRD YEAR	SEM. HRS.
SCCT 3810	4
SLSC 4000	1
SSCI 2030	1
Educational Psychology 3000	3
SSPN/SFRE/SGRK/SLTN	0/3
Education 3100, 3140	6
Geography 1010, 3050	6
Social Studies 3030 or History 3040	3
Mathematics 2050 or 4050 or SSTA 3810	3
Music 2100	2
Art 2040	2
	31-34

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
Education 4230	3
Education 4330	3
Education 4430	3
Reading 3040	3
Education 4080	9
Education 3210	3
Education 4860	9
	36
Total Semester Hours for Degree:	141

English Joint Major

English Joint Major Requirements: (42 semester hours) A major in English requires successful completion of 42 semester hours, within the 120 semester hour English curriculum, which include a 12-semester hour English core and a 30-semester hour concentration; support courses: SLSC 4000, SHUM 480T, SHUM 482T.

Core: (12 semester hours) SCTT1810, SCRT181W (or SLSC2000, SENG2000, SHPS2000), ENGL 2070, and 2110.

Concentration: (30 semester hours as defined below).

Available Concentrations: (30 semester hours each)

Literature (822A): English 3100, 3150, 3160, and 3170; three semester hours from English 3200, 4000, 4100, 4110 or 4660; English 4420; and 12 semester hours of advanced ENGL or SENG courses.

Professional Writing (822B): Six semester hours from English 2090, 2100, 2510, or 2610; six semester hours from 3200, 4000, 4100, 4110, or 4660; English 4420; and fifteen semester hours of advanced ENGL or SENG courses.

Folklife-Southern Culture (822C): English 4670, 4650; eighteen hours in literature of the American South and Folklore; and six hours of advanced ENGL or SENG courses.

Film Studies (822D): English 3500, 3510, 3520; fifteen hours in film and film studies; and six hours of ENGL or SENG courses.

Curriculum for English (822)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
English 2070	3
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810	6/5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI2010	1
Academic Electives ¹	3-4
	29-31

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	6
English 2110	3
Concentration	6
	31

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK/SLTN ¹	6
SSCI 2020, 2030	2
Concentration	14
Academic Electives ¹	2
	29

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
Concentration	10
Academic electives ³	13-14
	29-30
Total Semester Hours for Degree:	120

Footnotes

¹ At least 12 hours of academic electives should be courses with Scholars' prefixes.

² Students must take two of one discipline (life or physical science) and one semester of the other.

³ All 12 credit hours must be of the same language.

Fine and Graphic Arts Joint Major

Fine and Graphic Arts Joint Major Requirements: (81 semester hours) Students seeking a major in Fine and Graphic Arts must complete 81 semester hours, which include a 47 semester hour art core and a 33 hour concentration, and SOR 1010; support courses: SLSC 4000, SFPA 480T, 482T. Students must choose a concentration. A "C" or better average is required for all Art classes to complete requirements for graduation.

Core: (47 hours) Art 1010, 1020, 1060, 1070, 1150, 1350, 2000, 2140, 2160, 2290, 2340, 3240 or 3540, 3280, 3520, 3530, and 4990.

Concentration: (All Fine and Graphic Arts majors must select a 33 semester hour concentration as defined below after passing ART 2160 and its accompanying sophomore review.)

Available Concentrations: (33 semester hours each)

Graphic Communications (815A): Art 2560, 3410, 3560, 3580, 3810, 3960, 4390, 4400, 4560, 4610, 4960. (33 semester hours).

Studio Art (815B): Select 33 semester hours from: Art 2020, 2060, 2120, 2130, 2270, 2280, 2350, 3010, 3020, 3150, 3160, 3210, 3250, 3260, 3270, 3350, 3580, 3600, 3650, 4030, 4290, 4320, 4390, 4450, 4460, 4480, 4490, 4590, 4690, 4780, 4890.

Senior Exhibition: Graduating seniors will be required to demonstrate studio competence by presenting a public exhibition for faculty committee evaluation. Specific areas of deficiency will require additional study. All Fine and Graphic Arts students must take Art 4990 their senior year to satisfy senior exhibition requirements.

Curriculum for Fine and Graphic Arts (815)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
Art 1010, 1020, 1150	9
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3/5
SBIO/SECL/SCHM/PHYS ²	4
SOR 1010	1
SSCI 2010	1
Concentration	6
	36-38

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS ²	8
SSPN/SFRE/SGRK/SLTN ¹	6
Art 1060, 1070, 1350, 2000, 2140	15
Concentration	6
	37-43

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK/SLTN ¹	6
Art 2160, 2290, 2340, 3240 or 3540, 3280	15
Concentration	12
	38

FOURTH YEAR	SEM. HRS.
SFPA 480T, 482T	5
SLSC 4900	1
1 from SMAT 1820, 1830, 1840, 2000	3
SSCI 2020, 2030	2
SSPN/SFRE/SGRK/SLTN ¹	0-6
Concentration	9
Art 3520, 3530, 4990	9
	29-35
Total Semester Hours for Degree:	146

Footnotes

¹ All 12 credit hours must be of the same language.

² Student must take two of one discipline (life or physical science) and one semester of the other.

Health and Exercise Science Joint Major

Health and Exercise Science Joint Major Requirements: core requirements – SBIO 1830, 1831, 1850, 1851; SCHM 1840, 1841; SSCI 480T, 482T; major courses: BIOL 2220, 2221, 2230, 2231; BUAD 3250 or 3260; SSTA 3810; HED 1090, 3000, 4000, 4600; HP 2000, 2630, 3550, 3560, 3561, 4170, 4180, 4190, 4200; MKTG 2200 or 3230; NUTR 1030; and one of the following – PSYC 2050 or 2450 or 4450.

Curriculum for Health and Exercise Science (877)

FIRST YEAR	SEM. HRS.
SSCTT 1810, 1820	9
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000; or 2810	6/5
SBIO 1830, 1831, 1850, 1851	8
SOR 1010	1
SSCI 2010	1
Nutrition 1030	3
Health Education 1090	3
	33-34

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SCHM 1840, 1841	4
SSPN/SFRE/SGRK/SLTN ¹	3-6
Biology 2220-2221, 2230-2231	8
Human Performance 2000, 2630	6
Human Performance Activity electives (2 course) ²	4
SSCI 2020, 2030	2
	35-38

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK/SLTN ¹	6
Business Administration 3250	3
Health Education 3000, 4600	6
Human Performance 3550, 3560, 3561	7
Human Performance Techniques course from 2080, 2110, 2170, 2270, 2670	2
Marketing 2200 or 3230	3
Psychology 2050 or 2450 or 4450	3
	35

FOURTH YEAR	SEM. HRS.
SSCI 480T, 482T	5
SLSC 4900	1
SSPN/SFRE/SGRK/SLTN ¹	0-3
SSTA 3810	3
Health Education 4000	3
Human Performance 4170, 4180, 4200	17
Academic electives ³	10
	29-32

Total Semester Hours for Degree:

Footnotes

¹ All 12 hours must be of the same language.

History Joint Major

History Joint Major Requirements: support courses: SLSC 4000, SHUM 480T, SHUM 482T; major courses – HIST 2010, 2020, 3990, SST 4020, and 24 semester hours of advanced American and European/non-American History courses (SHUM or HIST) – twelve hours in one field and twelve hours in the other. Academic electives – 11 hours (8 hours must be from courses with Scholars' prefixes).

History Minor Requirements: (21 semester hours) History 1010, 1020, 2010, 2020 and nine hours of advanced history.

Creole Studies Minor Requirements: (18 semester hours) History 3040; Anthropology 4050; English 4770 or 4873; Sociology 4080; 3 hours from Music 2000, Art 3600, Theatre 4260 or Dance 4500; 3 hours from Art 4030, History 4080, Anthropology 4060, or English 3850.

Social Science Minor Requirements: (27 semester hours) 27 semester hours in the social sciences, with six semester hours in one field of social sciences and nine semester hours at the 3000 level or above.

Curriculum for History (858)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SCRT 181W	3
2 from SMAT 1820, 1830, 1840, 2000 or 2810	5/6
SBIO/SECL/SCHM/PHYS	4
SOR 1010	1
SSCI 2010	1
SHIS/HIST courses	6
	29-30

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
SBIO/SECL/SCHM/PHYS	8
SSPN/SFRE/SGRK/SLTN ²	6
History 2010, 2020	6
SHIS/HIST course	3
	31

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SSPN/SFRE/SGRK/SLTN ²	6
SSCI 2020, 2030	2
SHIS/HIST courses	15
History 3990	3
	31

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
SST 4020	3
SHIS/HIST courses	9
Academic electives ¹	11
	29

Total Semester Hours for Degree:

Footnotes

¹ At least 10 hours of academic electives should be courses with Scholars' prefixes.

² All 12 credit hours must be of the same language.

Industrial Engineering Technology Joint Major

Industrial Engineering Technology Joint Major Requirements: (68 semester hours) Students seeking a major in Industrial Engineering Technology must complete 68 semester hours, within the 141 semester hour Industrial Engineering Technology curriculum, which include Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 4940; Industrial Engineering Technology 1020, 1400, 1700, 1800, 2020, 2400, 2740, 2790, 3150, 3510, 3550, 3570, 4700, 4720, 4730, 4750, 4960; and nine hours of electives from any Industrial Engineering Technology or Electronics Engineering Technology courses.

Curriculum for Industrial Engineering Technology (844)

FIRST YEAR	SEM. HRS.
Electronic Engineering Technology 1300, 1301, 1311, 1320, 1321	9
Industrial Engineering Technology 1020, 1700	4
SCRT 181W	3
SCCT 1810, 1820	9
SMAT 1820, 2810	8
SOR 1010	1
SSPN/SFRE/SGRK/SLTN	0-3
	34-37
SECOND YEAR	SEM. HRS.
Industrial Engineering Technology 1400, 1800, 2020, 2400	12
Physics 2030, 2031, 2040, 2041	8
SBIO 1830, 1831 or SECL 1910, 1911 or SECL 1920, 1921	4
SCCT 2810, 2820	8
SSPN/SFRE/SGRK/SLTN	3-6
	35-38
THIRD YEAR	SEM. HRS.
Electronic Engineering Technology 4940	2
Industrial Engineering Technology 2740, 2790, 3150, 3510, 3550, 3570	18
SCHM 1830, 1831	4
SCCT 3810	4
SLSC 4000	1
SSCI 2010	1
SSPN/SFRE/SGRK/SLTN	3-6
	33-36
FOURTH YEAR	SEM. HRS.
Industrial Engineering Technology 4700, 4720, 4730, 4750, 4760	15
Industrial Engineering Technology or Electronic Engineering Technology electives	9
SLSC 4900	1
SSCI 2020, 2030 480T, 482T	7
SSPN/SFRE/SGRK/SLTN	0-3
	32-35
Total Semester Hours for Degree:	141

Music Joint Major

Music Joint Major Requirements: (81 semester hours) specific core requirements - SFRE 1810, 2810, 2820 and 2830; support courses: SLSC 4000, SFPA 480T, SFPA 482T. Students seeking a major in Music must complete 81 semester hours within the Music curriculum. 46 of these hours are specific to the particular concentration while the remaining 35 hours consist of supportive courses in music. All music students must elect one of the concentrations listed below:

Available Concentrations: (46 semester hours each)

Performance (813A): Music 1710 for four semesters (8 credit hours), MUS 3710 for four semesters (12 credit hours), MUS 4150 (Pedagogy), MUS 4390 (Performance Literature), MUS 4720 (Senior Recital), MUS 1800, 1810, 1820, 1830, 8 hours of ensembles, 4 hours of Performance Electives in MUS 1700, and 2 hours of free music electives.

Sacred Music (813B): Music 1710 for four semesters (8 credit hours), MUS 3710 for three semesters (6 credit hours), MUS 1230 (Diction), MUS 2120, 2130, 3120, 3130, 4120 (Church Music History, Liturgics, Hymnody, and Administration), MUED 4520 (Choral Literature), MUS 3100 (Choral Conducting), MUS 4720 (Senior Recital), MUS 1800, 1810, 1820, 1830, 8 hours of ensembles, and 2 hours of Performance Electives in MUS 1700.

Curriculum for Music (813)

FIRST YEAR	SEM. HRS.
SCCT 1810, 1820	9
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000 or 2810	3-5
SBIO/SECL/SCHM/PHYS	4
SOR 1010	1
SSCI 2010	1
Music 1150, 1151, 1160, 1161	6
Music 1710 and 1500 each semester	4
Piano	2
	33-35
SECOND YEAR	SEM. HRS.
SCCT 2810, 2820	8
SBIO/SECL/SCHM/PHYS	8
SFRE 1810, 2810	6
Ensembles	2
Music 2030, 2040, 2150, 2151, 2160, 2161	10
Music 1710 and 1500 each semester	4
Piano	2
	40
THIRD YEAR	SEM. HRS.
SCCT 3810	4
SLSC 4000	1
SFRE 2820, 2830	6
SSCI 2020, 2030	2
Ensembles	2
Music 3030, 3040, 3090	6
Music 1500 each semester	0
Music concentration	12
	33
FOURTH YEAR	SEM. HRS.
SFPA 480T, 482T	5
SLSC 4900	1
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
Ensembles	2
Music 4010, 4060 ⁴ , 4720 ⁵	8
Music concentration	12
	31-33
Total Semester Hours for Degree:	137

Footnotes

¹ Students must take two of one discipline (life or physical science) and one semester of the other.

² Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, 1420, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.

³ Piano majors are required to take MUS 4490 and 4260 in their third and fourth years respectively in lieu of MUS 1800, 1810, 1820, 1830 and 2 credits of performance elective.

⁴ For Performance Concentration, piano students must take 4 hours in performance electives other than piano, and vocal students must take 4 hours of performance elective in piano. Instrumental students may take performance elective in MUS 1700, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, and 1430. For Sacred Music concentration, students whose primary instrument is voice must enroll in 2 hours of MUS 1700 piano lessons; Keyboard students must enroll in 2 hours of MUS 1700 voice lessons.

⁵ MUS 4720 (Recital): Performance Concentration students will give a solo recital. Sacred Music Concentration students present a recital which may consist of one or more performance media, including conducting.

⁶ Sacred Music Concentration students must take MUS 4140 in lieu of 4060.

NOTE: Proficiency requirement in major performance area must be satisfied prior to being admitted to 3710-level study. Music majors must earn at least a "C" (2.0) in each music course in order for those courses to be credited as completed prerequisites or to count as graduation requirements.

NOTE: All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

Music Education-Instrumental, Grades K - 12

Joint Major

Music Education-Instrumental, Grades K – 12 Joint Major Requirements: no specific core requirements. Support courses: SLSC 4000, SFPA 480T, 482T. Major courses: EDUC 4960 or 4980; EPSY 2020, 3000; MUED 2020, 3140, 3510, 4010, 4020, 4110; MUS 1150, 1151, 1160, 1161, 1500 (x6), 2030, 2040, 2150, 2151, 2160, 2161, 3030, 3040, 3090, 3110, 4050, 8 hours of MUS 1710, 6 hours of MUS 3710; RDG 4080; MUS 1840, 1860, 1880, 1890, 4 hours from MUS 1800, 1810, 1820, 1830, or 1700A; MUS 1910; MUS 1850, 1870, 1920, or 1930; 7 hours of ensembles.

Curriculum for Music Education-Instrumental, Grades K - 12 (827)

FIRST YEAR	SEM. HRS.
SCIT 1810, 1820.....	9
SSPN/SFRE/SGRK/SLTN.....	0-6
SBIO/SECL/SCHM/PHYS ¹	4-8
SCRT 181W.....	3
1 from SMAT 1820, 1830, 1840 or 2000.....	3
SOR 1010.....	1
SSCI 2010.....	1
Ensembles ²	2
Music 1150, 1151, 1160, 1161.....	6
Music 1710 and 1500 each semester.....	4
Music Education 2020.....	3
Performance/Pedagogy technique ⁴	2
	39/49

SECOND YEAR	SEM. HRS.
SCIT 2810, 2820.....	8
Educational Psychology 2020.....	3
SBIO/SECL/SCHM/PHYS ¹	4-8
SSPN/SFRE/SGRK/SLTN.....	6
Ensembles ²	2
Music 1710 and 1500 each semester.....	4
Music 2030, 2040, 2150, 2151, 2160, 2161.....	10
Music Education 3510.....	1
Performance/Pedagogy technique ⁴	6
	44-48

THIRD YEAR	SEM. HRS.
SCIT 3810.....	4
SLSC 4000.....	1
1 from SMAT 1820, 1830, 1840 or 2000.....	3
Educational Psychology 3000.....	3
SSPN/SFRE/SGRK/SLTN.....	0-6
SCCI 2020.....	1
Ensembles ²	2
Music 3710 ³ and 1500 each semester.....	4
Music 3030, 3040, 3090, 3110.....	8
Music Education 3140, 4110, 4460 or 4480.....	9
Performance/Pedagogy technique ⁴	4
Reading 4080.....	3
	42-48

FOURTH YEAR	SEM. HRS.
FPA 480T, 482T.....	5
SLSC 4900.....	1
SSCI 2030.....	1
Education 4980 ⁵ or 4960 ⁵	9
Ensembles ²	1
Music 3710 ³	2
Music Education 4010, 4020 ³	6
Performance/Pedagogy technique ⁴	2
	27
Total Semester Hours for Degree.....	162

Footnotes

¹ Select to meet University core requirements.

² Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS

1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.

³ Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.

⁴ Four hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A. Also must take MUS 1910, 1840, 1860, 1880, 1890 and one of the following: MUS 1850, 1870, 1920, 1930.

⁵ Student teaching and MUED 4020 are to be taken concurrently to constitute a full academic load for one semester.

NOTE: All students enrolled in MUS 1710 and 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument category.

Music Education-Vocal, Grades K - 12

Joint Major

Music Education-Vocal, Grades K-12 Joint Major

Requirements: specific core requirements: SLTN or SFRE 1810, 2810, 2820, 2830. Support courses: SLSC 4000; SFPA 480T, 482T. Major courses: EDUC 4960 or 4980; EPSY 2020 3000; MUED 2020, 3140, 3510, 4010, 4020, 4110, 4520; MUS 1150, 1151, 1160, 1161, 1500 (x6), 2030, 2040, 2150, 2151, 2160, 2161, 3030, 3040, 3090, 3100, 4040; 8 hours of MUS 1710; 6 hours of MUS 3710; RDG 4080; MUS 1210*, 1220, 1230, 4150, 4520; 4 hours from MUS 1800, 1810, 1820, 1830, or 1700A and 4 hours of 1700A; 7 hours of ensembles.

*(Students who take SFRE courses to satisfy the language requirement will be exempt from MUS 1210 – French Diction).

Curriculum for Music Education-Vocal, Grades K-12 (828)

FIRST YEAR	SEM. HRS.
SCIT 1810, 1820.....	9
SFRE/SLTN.....	0-6
SBIO/SECL/SCHM/PHYS ¹	4-8
SCRT 181W.....	3
1 from SMAT 1820, 1830, 1840 or 2000.....	3
SOR 1010.....	1
Ensembles ²	2
Music 1150, 1151, 1160, 1161.....	6
Music 1710 and 1500 each semester.....	4
Music Education 2020.....	3
Performance/Pedagogy technique ⁴	2
	40-50

SECOND YEAR	SEM. HRS.
SCIT 2810, 2820.....	8
Educational Psychology 2020.....	3
SBIO/SECL/SCHM/PHYS ¹	4-8
SFRE/SLTN.....	6
SSCI 2010, 2020.....	2
Ensembles ²	2
Music 1710 and 1500 each semester.....	4
Music 2030, 2040, 2150, 2151, 2160, 2161.....	10
Music Education 3510.....	1
Performance/Pedagogy technique ⁴	3
	43-47

THIRD YEAR	SEM. HRS.
SCIT 3810.....	4
SLSC 4000.....	1
1 from SMAT 1820, 1830, 1840 or 2000.....	3
Educational Psychology 3000.....	3
SFRE/SLTN.....	0-6
Ensembles ²	2
Music 3710 ³ and 1500 each semester.....	4
Music 3030, 3040, 3090, 3110, 4050.....	11
Music Education 3140, 4110.....	6
Performance/Pedagogy technique ⁴	4-5
Reading 4080.....	3
	41-48

FOURTH YEAR	SEM. HRS.
SFPA 480T, 482T	5
SLSC 4900	1
SSCI 2030	1
Education 4980 ² or 4960 ²	9
Ensembles ¹	1
Music 3710	2
Music Education 4010, 4020 ²	6
Performance/Pedagogy technique ¹	2
	27
Total Semester Hours for Degree:	161-162

Footnotes:

- Selected to meet University core requirements.
- Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty.
- Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.
- Four hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A. Also must take MUS 4400, 1210, 1220, 1230, MUED 4520, and four hours of MUS 1700A.
- Student teaching and MUED 4020 are to be taken concurrently to constitute a full academic load for one semester.

NOTE: All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's voice category.

Nursing Joint Major

Nursing Joint Major Requirements: core requirements: SCHM 1840; SCTT 1810, 1820, 2810; SOR 1010; SMAT 1820, 1840, SCRT 181W; SSCI 2010, 2020; 1 hour Scholars' elective; PSYC 4400 or SSTA 3810; BIOL 2210, 2220, 2221, 2230, 2231, 2240; NUTR 1030. Major courses: NURB 2160, 2170, 3030, 3040, 3041, 3050, 3060, 3061, 3130, 3141, 3150, 3160, 3220, 3221, 3230, 3231, 3240, 3260, 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, 4240.

Curriculum for Nursing (840)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
Biology 2210, 2220-2221, 2230-2231	11
2 from SMAT 1820, 1840, 2000; or SMAT 2810	6-5
Nursing 2160	2
SCRT 181W	3
SOR 1010	1
SSCI 2010	1
Scholars' Elective	1
	34-33

SECOND YEAR	SEM. HRS.
Allied Health 1020	2
Biology 2240	3
Nursing 3030 ¹ , 3040 ¹ , 3041 ¹ , 3050 ¹ , 3060 ¹ , 3061 ¹	15
Nutrition 1030	3
Nursing 2170	1
SCTT 2810	4
SSCI 2020	1
SCHM 1840	3
	32

THIRD YEAR	SEM. HRS.
Nursing 3130, 3141, 3150, 3160, 3220, 3221, 3230, 3231, 3240, 3260	24
Psychology 4400 or SSTA 3810	3
	27

FOURTH YEAR	SEM. HRS.
Fine Arts 1040	3
History ²	3
Nursing 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, 4240	22
	28

Total Semester Hours for Degree:

Footnotes:

- Before entering nursing courses, student must meet all criteria listed in the special admission policies listed in the University Catalog.
- Selected from History 2010, or 2020.

Psychology Joint Major

Psychology Joint Major Requirements: specific core requirements – SBIO 1830, 1831, 1850, 1851; SCHM1840 and 1841 or PHYS 2030 and 2031; support courses: SOR 1010, SLSC 4000, SHUM 480T, 482T; major courses – Psychology 1010, 2040, 2050, 2430, 3010, 3020, 3050 or 3060, 4400 or SSTA 3810, 4410, 4440, 4450, 4470, 4510, 4830 and two Psychology/Addiction Studies electives approved by the advisor. The LSC thesis courses, SLSC 4000, SHUM 480T, 482T, may count as the psychology electives if the thesis is in psychology. LSC electives – 9 hrs. Majors may not count any grade in psychology lower than a C towards the major.

Curriculum for Psychology (859)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
Psychology 1010, 2040	6
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000 or 2810	3-5
SBIO 1830, 1831, 1850, 1851	8
SOR 1010	1
SSCI 2010	1
	31-33

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820	8
1 from SMAT 1820, 1830, 1840, 2000 (if 2810 not taken)	3
SSPN/SFRE/SGRK/SLTN ²	6
Psychology 2050, 2430, 3010	9
SSCI 2020	1
Academic Electives ³	3
	30

THIRD YEAR	SEM. HRS.
SCTT 3810	4
SLSC 4000	1
SCHM 1840, 1841 or PHYS 2030, 2031	4
SSPN/SFRE/SGRK/SLTN ²	6
SSCI 2030	1
Psychology 3020, 3050 or 3060, 4400 or SSTA 3810, 4410	12
	28

FOURTH YEAR	SEM. HRS.
SHUM 480T, 482T	5
SLSC 4900	1
Psychology 4440, 4450, 4470, 4510, 4830	15
Academic electives ³	10
	31

Total Semester Hours for Degree:

Footnotes:

- If thesis is not in psychology must take two psychology/addiction studies electives (5 hours total) approved by the advisor.
- All 12 hours must be of the same language.
- A minimum of 6 hours must be courses with Scholars' prefixes.

Secondary Education and Teaching Joint Major

Secondary Education and Teaching Joint Major Requirements: (58 hours): SCRT 181W (3 hrs), SCTT 1810, 1820, 2810, 2820, 3810 (21 hrs); mathematics courses designated by concentration to meet core (6 hours); science courses designated by concentration to meet core (12 hours); foreign language (12 hours); SSCI 2010, 2020, 2030 (3 hours); SLSC 4900 (1 hr).

Knowledge of the Learner and Learning Environment (15 hours): EDUC 2020, EDUC 3220, EPSY 2020, EPSY 3000, SPED 3460.

Methodology & Teaching (18 hours): RDG 4080, EDUC 3140, EDUC 4010, EDUC 4980 (9 hours).

Additional Hours (7 hours): SOR 1010 (1 hour); SLSC 4000; SHUM or SSCI 480T, 482T (6 hours).

Available Concentrations:

Biology Education: (825B)

General Education specific requirements: SBIOL 1830, 1831, 1850, 1851; SCHM 1840, 1841; SMAT 1820, 1840.

Concentration: (28 hrs) PHYS 2030, 2031; BIOL 3250, 3251, 3270, 3271, 4910. Sixteen hours of BIOL electives are also required from the following: 2050-2051, 2060-2061, 2080-2081, 2100-2101, 2140-2141, 2950, 3010-3011, 3040-3041, 3140-3141, 3170-3171, 3280, 3340-3341, 4040-4041, 4120-4121, 4190-4191, 4220-4221, 4270, 4300-4301, 4310-4311, 4320, 4350-4351, 4360-4361, 4400-4401 or SBIO 3000/4000 courses.

Total hours: 126 hours.

English Education: (825A)

General Education specific requirements: two from SMAT 1820, 1830, 1840 or 2000 (6 hours); SBIO/SECL/SCHM/PHYS (12 hours).

Concentration: (30 hrs) ENGL 2070, ENGL 3010, ENGL 3210; 9 hours from ENGL 3100, 3150, 3160, or 3170; ENGL 3190 or 3200, SENG 3810 or ENGL 4190, ENGL 4610, ENGL 3000/4000 (3 hours).

Total hours: 128 hours

Mathematics Education: (825C)

General Education specific requirements: SMAT 1820, 2810(8 hours); SBIO/SECL/SCHM/PHYS (12 hours).

Concentration: (31 hrs) SMAT 2820; MATH 2080, 3090, 3150, 3020, 3100, 4050; SSTA 3810 or MATH 2050; MATH 4070, 4950.

Total hours: 133 hours

Social Studies Education: (825D)

General Education specific requirements: two from SMAT 1820, 1830, 1840 or 2000 (6 hours); SBIO/SECL/SCHM/PHYS (12 hours).

Concentration: (45 hours) ANTH 1510, 2020; GEOG 1010, 1020, 2020, 3050; SECO 2810 or 2820; HIST 2010, 2020, 3040; PSCI 2010, 2020, 3000/4000 elective, SHIS/HIST 3000/4000 Advanced American History elective, SHIS/HIST 3000/4000 Advanced European/non-American History elective.

Total hours: 143 hours

Curriculum for Secondary Education and Teaching (825)

FIRST YEAR	SEM. HRS.
Education 2020	3
Mathematics ¹	6
Natural Science ¹	8
SCRT 181W	3
SCTT 1810, 1820	9
SOR 1010	1
SSPN/SFRE/SGRK/SLTN ²	3
	33

SECOND YEAR	SEM. HRS.
Concentration-dependent courses ³	8-18
Educational Psychology 2020	3
Natural Science ¹	4
SCTT 2810, 2820	8
Social Education 3460	3
SSCI 2010, 2020	2
SSPN/SFRE/SGRK/SLTN ²	3
	31-41

THIRD YEAR	SEM. HRS.
Concentration-dependent courses ³	15-18
Education 3140	3
Educational Psychology 3000	3
SLSC 4000	1
SSCI 2030	1
SSPN/SFRE/SGRK/SLTN ²	6
SSTT 3810	4
	33-36

FOURTH YEAR	SEM. HRS.
Concentration-dependent courses ³	4-7
Education 4010, 3220 ⁴ , 4980 ⁴	15
Reading 4080	3
SHUM 480T, 482T or SSCI 480T, 482T	5
	27-30

Total Semester Hours for Degree: 126-143

Footnotes

- ¹ Selected to meet university and scholars' core requirements.
- ² Foreign language courses must be taken in the same language.
- ³ Courses are determined by concentration area.
- ⁴ Must be taken concurrently.

Theatre Joint Major

Theatre Joint Major Requirements: (61 to 62 semester hours) Students seeking a major in Theatre must complete 61 to 62 semester hours, within the 120 semester hour Theatre curriculum, which include a 36 semester hour theatre core and a 25 to 26 semester hour concentration. A "C" or better average is required for all theatre classes to complete requirements for graduation.

Theatre Core: (36 semester hours) Theatre 2030 (6 hours), 2140, 2300, 2310, 2320, 2360, 3350, 3380, 4330, 4480, and one from the following: Theatre 4260, 4340, 4350, 4370, 4380, or Dance 1070 and choice of available concentrations below; support courses: SLSC 4000, SFPA 480T, SFPA 482T.

Available Concentrations:

Design/Technology (814A): (26 semester hours) Theatre 2330, 2370, 3120, 3330, 4320, 4450, and nine semester hours from the following: Theatre 3140, 3340, 3360, 3390, 4050, 4270, 4310, 4420, 4430.

Performance/Directing (814B): (25 semester hours) Theatre 2340, 2350, 3320, 4220, 4250, Dance 3060 and six semester hours from the following: Theatre 2380, 3120, 3220, 4040, 4230, 4240, 4300, 4520, and four semester hours from: Dance 1300, 1570, 1700 or Music 1700, 1710, 3710.

Musical Theatre Performance (814C): (26 semester hours) Theatre 1001, 2340, 3320, 4230, 4250, Dance 3060, Music 1010, 1700 (2 hour), 1710 (3 hours), and three semester hours from the following: Theatre 2350, Dance 1300, 1510, 1550, 1570, 1700, 2510, 2550, 2700, 3070, 3080, 3550, 3700.

Dance Performance (814D): (26 semester hours) Dance 1300, 1510, 1550, 1570, 1700, 2510, 2550, 2590, 2700, 3700, 4100, and three semester hours from the following: Dance 1180, 2400, 2410, 2440, 3070, 3080, 3550, 4500, 4800.

Curriculum for Theatre (814)

FIRST YEAR	SEM. HRS.
SCTT 1810, 1820	9
SCRT 181W	3
1 from SMAT 1820, 1830, 1840, 2000; or 2810	3-5
SBIO/SECL/SCHM/PHYS ¹	4
SOR 1010	1
SSCI 2010	1
Theatre 2140, 2300, 2320	9
	30-32

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SBIO/SECL/SCHM/PHYS ¹	8
SSPN/SFRE/SGRK/SLTN ⁴	6
Theatre 2030 ¹ , 2310, 4480.....	8
Theatre Concentration.....	6
	36

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SLSC 4000.....	1
SSPN/SFRE/SGRK/SLTN ⁴	6
SSCI 2020, 2030.....	2
Theatre 2030 ¹ , 2360, 3350, 3380.....	11
Theatre Concentration.....	9
	33

FOURTH YEAR	SEM. HRS.
SFPA 480T, 482T.....	5
SLSC 4900.....	1
1 from SMAT 1820, 1830, 1840, 2000; or 2810.....	3-5
Theatre 2030 ¹ , 4330.....	5
Theatre Concentration.....	10 or 11
Theatre History ²	3
	27-30
Total Semester Hours for Degree:.....	126

Footnotes

¹ Students must take two of one discipline (life or physical science) and one semester of the other.

² Choose from Theatre 4260, 4340, 4350, 4370, 4380 or Dance 1070.

³ THEA 2030 is required each semester of the second, third, and fourth year.

⁴ All 12 credit hours must be of the same language.

Unified Public Safety Administration Joint Major

Unified Public Safety Administration Joint Major Requirements: (44 semester hours) Students seeking a major in Unified Public Safety Administration must complete 44 semester hours within the 120 semester hour Unified Public Safety Administration curriculum, which include Criminal Justice 4475, Management 3220, Philosophy 2020 (CJ 3380 may be taken in lieu of PHIL 2020), Political Science 3060, Psychology 2450, Social Work 4450 (SOC 4080 may be taken in lieu of SOWK 4450), Unified Public Safety Administration 2400, 2550, 2700, 3700, 4100, 4200 (CJ 4200 may be taken in lieu of UPSA 4200), 4400, 4480, 4700.

Available Concentrations:

Law Enforcement Administration (860A): (21 semester hours) CJ 1100, 2300, 3360; PSCI 4040; and 9 hours of approved electives (CJ 3090; UPSA 1500, 2100, 2500, 2900, 3400, 4000).

Fire and Emergency Medical Services Administration (860B)*: (21 semester hours) UPSA 2250, 2400, 2900, 4300 or 4350; and 9 hours of approved electives (UPSA 1500, 2100, 2500, 3400, 4000).

*Students enrolled in the Fire and Emergency Medical Services Administration concentration (860B) and have completed their National Registry Emergency Medical Technician – Paramedic (NREMT-P) will be given credit for the following courses once they present their credentials to the University: CJ 4475, UPSA 2000, 2100, 2250, 2400, 2500, 2700, 2900, 1 hour elective.

Emergency Management Administration (860C): (21 semester hours) UPSA 1500, 2100, 2500, 3400; and 9 hours of approved electives (CJ 2300, 3360; PSCI 4040; UPSA 2250, 2900, 4000, 4300, 4350).

Curriculum for Unified Public Safety Administration (860)

FIRST YEAR	SEM. HRS.
SCTT 181W.....	3
1 of SMAT 1820, 1840, 2000; or 2810.....	3-5
SBIO/SECL/SCHM/PHYS ²	4-8
SOR 1010.....	1
Unified Public Safety Administration 2400, 2550, 2700.....	9
SCTT 1810, 1820.....	9
	29-35

SECOND YEAR	SEM. HRS.
SCTT 2810, 2820.....	8
SBIO/SECL/SCHM/PHYS ²	4-8
Unified Public Safety Administration concentration area.....	9
SSPN/SFRE/SGRK/SLTN ¹	6
1 from SMAT 1820, 1840, 2000; or 2810.....	3-5
SSCI 2010, 2020.....	2
	32-38

THIRD YEAR	SEM. HRS.
SCTT 3810.....	4
SSCI 2030.....	1
SLSC 4000.....	1
SSPN/SFRE/SGRK/SLTN ¹	6
Management 3220.....	3
Criminal Justice 4200 or UPSA 4200; 4475.....	6
Unified Public Safety Administration 4700.....	3
Unified Public Safety Administration concentration area.....	3
Philosophy 2020 or Criminal Justice 3380.....	3
Psychology 2450.....	3
	33

FOURTH YEAR	SEM. HRS.
Political Science 3060.....	3
Social Work 4450 or Sociology 4080.....	3
Unified Public Safety Administration 3700, 4100, 4400, 4480.....	11
Unified Public Safety Administration concentration area.....	9
SLSC 4900.....	1
SHUM 480T, 482T.....	5
	32

Total Semester Hours for Degree:.....129

Footnotes

¹ All 12 credit hours must be of the same language.

² Students must take two of one discipline (life or physical science) and one semester of the other.

MRS. H. D. DEAR, SR. AND ALICE ESTELLE DEAR SCHOOL OF CREATIVE AND PERFORMING ARTS

Room 110N, Creative and Performing Arts Center
318-357-4522
capa@nsula.edu

Director: Gregory Handel (Interim), *Assistant Professor*

Coordinator of Art: Matt DeFord, *Associate Professor*

Coordinator of Music: Burt Allen, *Professor*

Coordinator of Theatre and Dance: Scott Burrell, *Professor*

Professors Emeriti: Billy Joe Bryant, Jack Wann

Professors: Coreil, Downs, McDermott, Parrish, Thompson, Yankowski

Associate Professors: C. Allen, Bakenhus, Christopher, Deville, Forsyth, Green, Kurti, McLaren, Mathews, Rodriguez, Rorex, Sanders, Wyatt

Assistant Professors: Aldrin, DeFee, Dill, Dunn, Garfinkel, Gruesbeck, Joy, Kidd, Kuroda, Lewis, McKeithen, Parr, Pharris, Riehl, Yang

Instructor: Bogaczova

Degree Programs Available Through the Mrs. H. D. Dear, Sr. and Alice Estelle Dear School of Creative and Performing Arts

Bachelor of Fine Arts program in: Fine and Graphic Arts with concentrations in: graphic communications, and studio art
Bachelor of Music with concentrations in: music business, performance, and sacred music

Bachelor of Science program in: Theatre with concentrations in: dance performance, design/technology, musical theatre performance, performance/directing

Master of Art program in: Art

Master of Music with concentrations in: music education, and performance

The School of Creative and Performing Arts was renamed in honor of Mrs. H. D. Dear, Sr. and Alice E. Dear in 1994 by the Board of Trustees for State Colleges and Universities in recognition of their endowment to music scholarships.

Fine and Graphic Arts

The Fine and Graphic Arts program is accredited by the National Association of Schools of Art and Design (NASAD), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190. Telephone number 703-437-0700.

Fine and Graphic Arts major requirements: (81 semester hours) Students seeking a major in Fine and Graphic Arts must complete 81 semester hours, within the 120 semester hour Fine and Graphic Arts curriculum, which include a 47 semester hour art core and a 33 hour concentration, and University Studies 1000. Students must choose a concentration. A "C" or better average is required for all Art classes to complete requirements for graduation.

Core: (47 hours) Art 1010, 1020, 1060, 1070, 1150, 1350, 2000, 2140, 2160, 2290, 2340, 3240 or 3540, 3280, 3520, 3530, 4980, and 4990.

Concentration: (All Fine and Graphic Arts majors must select a 33 semester hour concentration as defined below after passing ART 2160 and its accompanying sophomore review.)

Available Concentrations: (33 semester hours of Art courses each)

Graphic Communications (214A): Art 2560, 3410, 3560, 3580, 3810, 3960, 4390, 4400, 4560, 4610, 4960. (33 semester hours).

Studio Art (214B): Select 33 semester hours from: Art 2020, 2060, 2120, 2130, 2270, 2280, 2350, 3010, 3020, 3130, 3150, 3160, 3210, 3250, 3260, 3270, 3350, 3580, 3600, 3650, 3880, 4030, 4290, 4320, 4390, 4400, 4450, 4460, 4480, 4490, 4590, 4690, 4780, 4890.

Senior Exhibition: Graduating seniors will be required to demonstrate studio competence by presenting a public exhibition for faculty committee evaluation. Specific areas of deficiency will require additional study. All Fine and Graphic Arts students must take Art 4980 their senior year to satisfy senior exhibition requirements.

Art minor requirements: (21 semester hours) Art 1010, 1020, 1060, 1070, 1150; and six semester hours of Fine and Graphic Arts electives.

Photography minor requirements: (21 semester hours) Art 1010, 1150, 2290, 4390, 4490, and select six semester hours from 4590, 4690, and 4890.

Curriculum for Fine and Graphic Arts (214)

FIRST YEAR	SEM. HRS.
Art 1010, 1020, 1060, 1070, 1150, 1350	18
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ¹	3
University Studies 1000	1
	31

SECOND YEAR	SEM. HRS.
Art 2000, 2140, 2160, 2290, 2340, 3520, 3530	20
Concentrations ^{2,3}	3
Humanities ¹	6
Mathematics ¹	3
	32

THIRD YEAR	SEM. HRS.
Art 3280, 3240 or 3540, 4980	7
Concentrations ^{2,3}	12
Natural Sciences ¹	6
Social/behavioral Science ¹	6
	31

FOURTH YEAR	SEM. HRS.
Art 4990	2
Concentrations ^{2,3}	18
Humanities ¹	3
Natural Science ¹	3
	26

Total Semester Hours for Degree:.....120

Footnotes:

¹ Refer to University core requirements.

² Refer to Graphic Communication Concentration (214A).

³ Refer to Studio Art Concentration (214B).

Music

The degree program in music is fully accredited by the National Association of the School of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700.

Music Major Requirements: (81 semester hours) Students seeking a major in Music must complete 81 semester hours of the 120-semester hour degree within the Music curriculum. 46 of these hours are specific to the particular concentration while the remaining 35 hours consist of supportive courses in music. All music students must elect one of the concentrations listed below:

Available Concentrations: (46 hours each)

Music Business (242E): Music 1710 for four semesters (8 credit hours), MUS 3710 for two semesters (4 credit hours), 6 hours of ensembles, MUS 1800, 1810, 1820, 1830, 2 hours of Performance Electives in MUS 1700, MUS 4200, MUS 4400, MUS 4720 (1 credit hour), ACCT 1040, BUAD 3260, MUS 4730, MUS 2990-01, and also 3 credit hours MUS 2990, BUAD 1040, MGT 2500, BUAD 2200, MKTG 3230, BUAD 3250 or BUAD 3280.

Performance (242P): Music 1710 for four semesters (8 credit hours), MUS 3710 for four semesters (12 credit hours), MUS 4150 (Pedagogy), MUS 4390 (Performance Literature), MUS 4720 (Senior Recital), MUS 1800, 1810, 1820, 1830, 8 hours of ensembles, 4 hours of Performance Electives in MUS 1700, and 2 hours of free music electives.

Sacred Music (242M): Music 1710 for four semesters (8 credit hours), MUS 3710 for three semesters (6 credit hours), MUS 1230 (Diction), MUS 2120, 2130, 3120, 3130, 4120 (Church Music History, Liturgics, Hymnody, and Administration), MUED 4520 (Choral Literature), MUS 3100 (Choral Conducting), MUS 4720 (Senior Recital), MUS 1800, 1810, 1820, 1830, 8 hours of ensembles, and 2 hours of Performance Electives in MUS 1700.

Music Minor Requirements: (select from one of the areas below)

Performance: (26 semester hours) MUS 1150, 1151, 1160, 1161; four hours from MUS 2030, 2040, 3030, 3040, plus 12 hours from MUS 1700 or 1710 (at least eight of these being in the same performance area) and four hours of music electives (must include a music ensemble).

Music Theory: (26 semester hours) MUS 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161; four hours from MUS 2030, 2040, 3030, 3040; 6 hours from MUS 1700 or 1710 and four hours of music electives (must include a music ensemble).

Fees and Special Requirements

Special Requirements: Music majors are required to attend recitals and concerts and to participate in performing ensembles, as listed in the individual curricula in this catalog. All music majors must pass a proficiency examination in piano. Music majors are required to practice a minimum of one hour a day for each credit hour of major applied study and one-half hour a day for each credit hour of minor applied study. Students seeking a double major have a residency requirement of five years, or four years and three summers.

Admission to the Bachelor of Music (Performance Concentration) degree program is by audition only. This represents an addition to regular university admission requirements. Procedures vary for the administration of this audition, depending on

students' instrumental/vocal specialty. Thus students should consult with applied teachers regarding specifics. Preliminary taped auditions are allowed for provisional admission; however, a live audition is required for full admission to the Bachelor of Music (Performance Concentration) program.

Private Lessons: To enroll in private lessons, a student must be a full-time student at NSU. Exceptions to this rule require approval of the head of the Dear School of Creative and Performing Arts, the Dean of Liberal Arts, and the Vice President for Academic and Student Affairs.

Fees: There are no special fees for music majors and students within a declared music minor or those performing with major ensembles. Other students pay a fee of \$60 a semester for one one-hour private lesson per week and \$30 for one half-hour private lesson per week. They must also pay a fee of \$5 a semester for renting a practice room for one hour a day and \$2 for each additional hour.

Curriculum for Music (242)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Ensembles ²	2
Fine Arts 1040	3
Mathematics ¹	6
Music 1150, 1151, 1160, 1161	6
Music 1710 and 1500 each semester	4
University Studies 1000	1
Piano ³	2
	30
SECOND YEAR	SEM. HRS.
Ensembles ²	2
Foreign language ⁴	6
Humanities ¹	6
Music 2030 ³ , 2040, 2150, 2151, 2160 ³ , 2161 ³	10
Music 1710 and 1500 each semester	4
Natural Science ¹	3
Piano ³	2
	33
THIRD YEAR	SEM. HRS.
Ensembles ²	2
Music 3030, 3040, 3090	6
Music 1500 each semester	0
Music Concentration ⁵	12
Natural Science ¹	3
Social/behavioral science ¹	3
	26
FOURTH YEAR	SEM. HRS.
Ensembles ^{2,10}	2
Humanities ¹	3
Music 4010 ¹ , 4060 ² , 4720 ²	8
Music Concentration ⁵	12
Natural Science ¹	3
Social/behavioral science ¹	3
	31
Total Semester Hours for Degree:	120

Footnotes:

¹ Selected to meet University Core requirements. Music Business students must take ECON 2000 to fulfill social science core requirement.

² Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, 1420, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.

³ Piano majors are required to take MUS 4490 and 4260 in their third and fourth years respectively in lieu of MUS 1800, 1810, 1820, 1830 and 2 credits of performance elective.

⁴ 3 hours of foreign language must be in German, French, or Italian. Music Business students take ACCT 1040 and BUAD 3260 in lieu of foreign languages.

⁵ For Performance Concentration, piano students must take 4 hours in performance electives other than piano, and vocal students must take 4 hours of performance elective in piano. Instrumental students may take performance elective in MUS 1700, 1300, 1310, 1320, 1330, 1340, 1350, 1360, 1370, 1380, 1390, 1400, 1410, 1420, and 1430. For Sacred Music concentration, students whose primary instrument is voice must enroll in 2 hours of MUS 1700 piano lessons; Keyboard students must enroll in 2 hours of MUS 1700 voice lessons. For Music Business concentration: at least 6 hours must be in MUS 2900 Special Topics.

⁶ MUS 4720 (Recital). Performance Concentration students will give a solo recital. Sacred Music Concentration students present a recital which may consist of one or more performance media, including conducting. Music Business students must give a junior recital or half-senior recital in performance or composition for 1 credit hour and a free music elective for 1 credit hour.

⁷ Sacred Music Concentration students must take MUS 4140 in lieu of 4060. Music Business students must take MUS 4200 in lieu of 4060.

⁸ Music Business students may take MUS 2170 (Jazz Theory) in lieu of MUS 2160 and 2161.

⁹ Music Business students may take 2 hours of music electives in lieu of MUS 2030.

¹⁰ Music Business students take 2 hours of performance electives in lieu of ensembles during the fourth year.

¹¹ Music Business students may take MUS 3500, 3600, or 4060 in lieu of 4010.

NOTE: Proficiency requirement in major performance area must be satisfied prior to being admitted to 3710-level study. Music majors must earn at least a "C" (2.0) in each music course in order for those courses to be credited as completed prerequisites or to count as graduation requirements.

NOTE: All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

Theatre

The Theatre program is fully accredited by the National Association of Schools of Theatre (NAST), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20190, telephone number (703) 437-0700.

Theatre Major Requirements: (61 to 62 semester hours) Students seeking a major in Theatre must complete 61 to 62 semester hours, within the 120 semester hour Theatre curriculum, which include a 36 semester hour theatre core and a 25 to 26 semester hour concentration. A "C" or better average is required for all theatre classes to complete requirements for graduation.

Theatre Core: (36 semester hours) Theatre 2030 (6 hours), 2140, 2300, 2310, 2320, 2360, 3350, 3380, 4330, 4480 and one from the following: Theatre 4260, 4340, 4350, 4370, 4380, or Dance 1070 and choice of available concentrations below.

Foreign language and Minor area of study are not required for this degree.

Theatre Minor Requirements: (24 semester hours) Theatre 2140, 2300, 2310, and two from the following: Theatre 2360, 3380, 4260, 4330, 4340, 4350, 4370, 4380, 4480 or Dance 1070 and nine semester hours of approved electives in Theatre.

Dance Minor Requirements: (24 or 25 semester hours) Theatre 2300 and Dance 1070, 1300, 1570, 1700, one from the following: Theatre 2310, 3330, 3340, 3350 and one from the following: Dance 2590, 4800 and two from the following: Dance 1510, 1550, 2700 and two from the following: Dance 2510, 2550, 3700.

Available Concentrations:

Design/Technology (245A): (26 semester hours) Theatre 2330, 2370, 3120, 3330, 4320, 4450, and nine semester hours from the following: Theatre 3140, 3340, 3360, 3390, 4050, 4270, 4310, 4420, 4430.

Performance/Directing (245B): (25 semester hours) Theatre 2340, 2350, 3320, 4220, 4250, Dance 3060 and six semester hours from the following: Theatre 2380, 3120, 3220, 4040, 4230, 4240, 4300, 4520, and four semester hours from: Dance 1300, 1570, 1700 or Music 1700, 1710, 3710.

Musical Theatre Performance (245C): (26 semester hours) Theatre 1001, 2340, 3320, 4230, 4250, Dance 3060, Music 1010, 1700 (2 hour), 1710 (3 hours), and three semester hours from the following: Theatre 2350, Dance 1300, 1510, 1550, 1570, 1700, 2510, 2550, 2700, 3070, 3080, 3550, 3700.

Dance Performance (245D): (26 semester hours) Dance 1300, 1510, 1550, 1570, 1700, 2510, 2550, 2590, 2700, 3700, 4100, and three semester hours from the following: Dance 1180, 2400, 2410, 2440, 3070, 3080, 3550, 4500, 4800.

Curriculum for Theatre (245)

FIRST YEAR	SEM. HRS.
Electives	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ¹	6
University Studies 1000	1
Social/behavioral Science ¹	3
Theatre 2140, 2300, 2320	9
	31

SECOND YEAR	SEM. HRS.
Electives	6
Humanities ¹	6
Social/behavioral Sciences ¹	3
Theatre 2030 ¹ , 2310, 4480	8
Theatre Concentration	6
	29

THIRD YEAR	SEM. HRS.
Electives	3
Natural Sciences ¹	6
Theatre 2030 ¹ , 2360, 3350, 3380	11
Theatre Concentration	9
	29

FOURTH YEAR	SEM. HRS.
Electives	6 or 7
Humanities ¹	3
Natural Science ¹	3
Theatre 2030 ¹ , 4330	5
Theatre Concentration	10 or 11
Theatre History ²	3
	31

Total Semester Hours for Degree:.....120

Footnotes:

¹ Refer to University core requirements.

² Choose from Theatre 4260, 4340, 4350, 4370, 4380 or Dance 1070.

³ THEA 2030 is required each semester of the second, third and fourth year.

Graduate Programs

Master of Arts Program in: Art (511)

Admission Requirements: Admittance to the Master of Arts in Art at Northwestern State University requires the following:

- Three letters of recommendation from arts professionals who can attest to the student's proficiency and professionalism.
- Unofficial undergraduate transcripts showing a degree in art, or an arts related field with a minimum of 18 credit hours in the visual arts. A minimum GPA of 3.0 in the major is suggested.
- A letter of intent stating why the student is interested in pursuing a graduate degree, defining their long-term goals and objectives. The student should also address what strengths they can bring to the graduate program at Northwestern State and how the student will use the graduate experience to self challenge.

4. A set of 20 slides or a CD-Rom containing a minimum of 20 images of undergraduate work
5. An interview with a faculty committee comprised of a minimum of three graduate art faculty.

Required studies: 33 semester hours as detailed below.

AREA I: ART HISTORY & CRITICISM (6 hours)

selected from:

5460¹ Research in Art History

5950¹ Research in Art

¹5460 or 5950 is required the first semester of enrollment.

AREA II: EMPHASIS SPECIFIC (18 hours) selected from:

5010² Advanced Problems in Painting

5020² Advanced Problems in Drawing

5080² Advanced Problems in Design

5090² Advanced Problems in Photography

5110³ Advanced Problems in Crafts

5130² Advanced Problems in Sculpture

5140² Experimental Studio

5220² Advanced Graphics

5240⁴ Graduate Studio

5420² Advanced Problems in Watercolor

5440² Advanced Problems in Ceramics

5450² Advanced Problems in Commercial Art

5700 Advanced Problems in New Media Design

²May be repeated for a total of 6 hours credit when topic varies.

³May be repeated for a total of 12 hours credit when topic varies.

⁴May be repeated for a total of 15 hours credit when topic varies.

AREA III: GRADUATE SEMINAR (3 hours)

5900 Graduate Seminar

AREA IV: FINAL PROJECT – CREATIVE RESEARCH

PROJECT (6 hours)

5970 Creative Research Project Documentation

5980 Creative Research Project Exhibition

Each candidate for the Master of Arts in Art must demonstrate studio competency by presenting a public exhibition of his/ her work and provide supporting documentation to accompany it. Details of both are designed in consultation with the student's graduate committee. Specific criteria for this creative research project are detailed in the publication General Guidelines for Theses, Field Studies, Creative Research, or Research Papers-in-lieu-of-Thesis available from the School of Graduate Studies and Research. The culmination of this project will be a comprehensive oral exam.

Master of Music (542)

All degree programs in music are fully accredited by the National Association of Schools of Music, 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700. The Master of Music at Northwestern State University offers two concentrations to further prepare students for careers as educators and performers as well as for further advanced study. Students must choose and be accepted into one of the concentration areas: Music Education or Performance.

Available Concentrations (32 hours each):

Music Education (542A)

Performance (542B)

Music Education (542A)

Admission Requirements for Master of Music with a concentration in Music Education:

1. A bachelor's degree in music education with teacher certification is preferred for clear admission to the program. A bachelor's degree in music is required; however, the student must satisfy basic music education competencies prior to achieving candidacy. This may be established by a valid teacher's certificate. For those who do not possess a certificate, a score of 161 or higher on the PRAXIS II/ Principles of Learning and Teaching is required.
2. Two (2) letters of recommendation from music education professionals that attest to the candidate's preparedness for graduate study in music education.
3. A personal statement (500 words) that discusses the student's goals and reasons for pursuing the Master of Music with a concentration in Music Education Degree.
4. It is highly recommended that applicants have at least two (2) years of teaching experience (i.e.; public or private school, private instructor). Preference for Graduate Teaching Assistantships will be given to those with prior teaching experience.
5. It is highly recommended that applicants without teaching certification pursue Alternate Certification concurrent with their master's program.

Diagnostic Exam

Each student will take a Diagnostic Exam in music theory, aural skills, and music history and literature. The diagnostic exam is designed to ascertain levels of competency. A Deficiency Plan will be developed for those who score below minimum standards. MUS 5010 Practical Review and other remedial courses do not satisfy minimum degree requirements. The Deficiency Plan must be completed prior to 1) enrollment in any advanced course in deficient areas, 2) the Comprehensive Exam, and 3) the Final Project.

Graduate Committee

Each graduate student will be assigned a Graduate Committee comprised of the Major Professor and two additional music faculty members who hold some form of graduate faculty membership, and with the consent of the Coordinator of Graduate Studies in Music. This committee is formed during the student's first semester of graduate study through a formal process, and it provides general oversight of the student's program. This committee's membership should remain constant throughout the student's course of study. They will approve the Written Project, serve as members of a Graduate Recital Committee, and write and grade Comprehensive Examination questions. Per Graduate School guidelines, the chair of this committee must hold member status on the Graduate Faculty or possess unique qualifications to serve as such with the consent of the Graduate Dean.

Music Education (542A):

- A. **MUED 5900 (3 hours).** (required of all Master of Music students)
- B. **Foundation Courses in Music Education (12 hours).** MUED 5010, 5020, and 6 hours from the following: MUED 5000, 5100, 5200, 5270, 5900, 5460, 5480, 5520, 5040.
- C. **Supportive Courses in Music (6 hours).** Music History: 3 hours from the following: MUS 5300, 5310, 5320, 5330, 5360, 5340, 5350, 5370. Music Theory: 3 hours from the following: MUS 5020, 5040, 5060, 5530, MUED 5030.
- D. **Applied Music Study (2-4 hours).** To be chosen from MUS 5700, 5710. Not more than 4 hours of applied study can be counted toward the music education concentration.

- E. **Electives in Music, Music Education, and Education** (4-6 hours). To be chosen from the following: MUED 5110, 5120, 5230, 5490, 5550, 5600, MUS 5230, 5150, 5390, 5400, 5430, 5440, 5120, or approved graduate courses from the College of Education.
- F. **Final Project** (3 hours). Choose one of these research options:
 1. Thesis: MUED 5980.
 2. Two papers-in-lieu of thesis: MUED 5400. This option allows a student to pick subjects that are of particular interest. Papers must be related to a course and must be an expansion upon any normal assignments for that course. MUED 5400 may be used as a course for writing a paper in lieu of thesis.
 3. Conducting lecture recital with supporting research document: MUS 5620, MUED 5620. The supporting research document must be approved by the committee no later than the lecture recital hearing.

Comprehensive Examination

All students will take a comprehensive written examination based on courses taken. There are two possible outcomes: (1) Pass (2) Fail. In the case of a Fail, the student will take an oral examination, which counts as the second attempt. The oral examination is graded as Pass or Fail. In the case of a Fail the student's committee may suggest the student take some additional courses for remediation and then take the written comprehensive examination for the final time. In case the final outcome is Fail, the student will be dismissed from the program. A student may not attempt the comprehensive examination more than three times.

Special Requirements for Degree

1. MUS 5280 (Ensemble Performance): Students may apply up to two hours (i.e., two semesters) of MUS 5280 toward the degree.
2. MUS 5010 (Practical Review) may be required without degree credit on the basis of diagnostic examinations.

Performance (542B):

Admission Requirements for Master of Music with a concentration in Performance:

A Bachelor of Music in Performance is preferred, a bachelor's degree in music minimum, from an accredited university or college. The applicant must demonstrate ability and accomplishment in the proposed major field and in applied music. The demonstrated performing proficiency must be equal to that required in the Bachelor of Music in Performance at NSU. For voice applicants, any deficiency in language/diction skills must be satisfied prior to comprehensive exam/final project.

Audition

A live "in-person" audition is preferred, though a recording is permitted (video recording preferred) if a live audition would pose an undue hardship. At least two applied faculty members must be present at the audition. All applicants must prepare an audition recital that demonstrates, through advanced repertoire, their highest technical and musical achievements. Choice is up to applicant, within guidelines.

If a recording is used, a live audition would be required in the first semester of enrollment to validate. The recording must be from a live performance and unedited. A recording may only permit provisional admission within the Music Area; it will not prevent Regular Admission status required by the Graduate School to be assigned a graduate assistantship.

Diagnostic Examination

All incoming students should prepare for and review their undergraduate music knowledge in theory, aural skills, history and literature. This test is designed to ascertain levels of competency. A Deficiency Plan will be developed for those who score below minimum standards. MUS 5010 Practical Review and other remedial courses do not satisfy minimum degree requirements. The Deficiency Plan must be completed prior to 1) enrollment in any advanced course in deficient areas, 2) the Comprehensive Exam, and 3) the Final Project.

Degree Tracks/Courses

Students may pursue a Master of Music with a concentration in Performance in the following areas: instrumental (woodwind, brass, percussion, strings), piano, organ and voice.

The Master of Music with a concentration in Performance is a residential degree, typically completed over two academic years (fall, spring). [2 consecutive semesters (fall & spring, spring & fall) of residency with full-time status (minimum 9 graduate hours per semester)]

Performance (542B):

- A. **Core** (12 hours). MUED 5900 (required of all Master of Music students); MUS 5150 Pedagogy; Music History: 3 hours from the following: MUS 5300, 5310, 5320, 5330, 5360, 5340, 5350, 5370; Music Theory: 3 hours from the following: MUS 5020, 5040, 5060, 5530, MUED 5030.
- B. **Performance Studies** (17 hours). MUS 5710* (9 hours), 5280 (2 hours), 5390, 5970, 5720.
*3 semesters @ 3 hours each. Continuous enrollment is expected until the graduate recital project is completed. Must enroll in Applied Music during the semester of the Graduate Recital.
- C. **Electives** (3 hours). Elective(s) will be selected from other graduate courses with MUS or MUED designation.

Other Requirements

1. **Ensembles**. MUS 5280 (Ensemble Performance): One large ensemble in each of two semesters is required. Piano and organ majors will enroll in MUS 5280 to satisfy accompanying requirements.
2. **Applied Juries**. Must complete a successful applied jury exam in each semester (grade of A or B).

Graduate Committee

Each graduate student will be assigned a Graduate Committee comprised of the Major Professor and two additional music faculty members who hold some form of graduate faculty membership, and with the consent of the Coordinator of Graduate Studies in Music. This committee is formed during the student's first semester of graduate study through a formal process, and it provides general oversight of the student's program. This committee's membership should remain constant throughout the student's course of study. They will approve the Written Project, serve as members of a Graduate Recital Committee, and write and grade Comprehensive Examination questions. Per Graduate School guidelines, the chair of this committee must hold member status on the Graduate Faculty or possess unique qualifications to serve as such with the consent of the Graduate Dean.

Written Project

The Graduate Recital will be supplemented with a written descriptive or analytical paper that will be approved by the student's Graduate Committee and filed in the Graduate School office. Enrollment in MUS 5970 (1 hour) Performance Document is required. This paper must be completed no later than the hearing for the Graduate Recital. MUS 5720 Graduate Recital is a co-requisite for this course.

Graduate Recital

Each student must present a public performance, which serves as the thesis in the Master of Music with a concentration in Performance degree. The student's recital program must be approved by the Graduate Committee and filed in the Graduate School office by the end of semester prior to registration for MUS 5720 (2 hours) Graduate Recital. Degree candidacy must be attained prior to enrollment in the course and presentation of the recital. The program will be developed with the student's studio instructor, and must include a minimum of 45 minutes of music in which the student is the soloist. This time does not include time in between movements or works, setup time, or intermissions—only the sum of the total performance time. Total performance time for the recital will be at least 60 minutes in length.

Comprehensive Examination

All students will take a comprehensive written examination based on courses taken. There are two possible outcomes: (1) Pass (2) Fail. In the case of a Fail, the student will take an oral examination, which counts as the second attempt. The oral examination is graded as Pass or Fail. In the case of a Fail the student's committee may suggest the student take some additional courses for remediation and then take the written comprehensive examination for the final time. In case the final outcome is Fail, the student will be dismissed from the program. A student may not attempt the comprehensive examination more than three times.

DEPARTMENT OF CRIMINAL JUSTICE, HISTORY, AND SOCIAL SCIENCES

Room 103, Kyser Hall
318-357-6967
crim_justice@nsula.edu

Department Head: Joe Morris, *Associate Professor*

Professors: Granger, Gregory, J. Smith, K. Smith, Hare, Sinclair

Associate Professors: Atherton, Dollar, Hailey, Housel, Price, Shaw, Snyder

Assistant Professors: Girard, Green, Hughbank, Lange, McDonald, Pellegrin, Sexson, Stewart, Wisinger

Instructors: Comeaux, Hillebrand, D. Jones, R. Jones

Affiliated Faculty: Ammons, Cordell, Ferrell

Mission of the Department of Criminal Justice, History, and Social Sciences

The Criminal Justice, History, and Social Sciences Department at Northwestern State University is dedicated to the education of students for professional, leadership, academic, and research careers in the challenging fields of criminal justice, public safety, homeland security, public service and the social sciences. The Department provides instruction across a broad range of concepts, with the ultimate goals of student attainment of excellence in analytical and critical thinking abilities, effective interpersonal, communication, problem-solving skills, moral commitment, and the acquisition of substantive bases of knowledge, necessary to secure positions in criminal justice, all levels of government, public policy, and private organizations. Using active learning, participatory pedagogy, and a Global perspective, the Department holds a generalist orientation, through innovative analyses, in a student-centered, nurturing environment, and emphasizing an occupational context.

Degree Programs Available Through the Department of Criminal Justice, History, and Social Sciences:

Bachelor of Arts programs in: Criminal Justice, with concentration in: Pre-Law and Paralegal Studies; History; Organizational Leadership, with concentration in: Unified Public Safety Administration

Bachelor of Science program in: Unified Public Safety Administration, with concentrations in: Law Enforcement Administration, Fire and Emergency Medical Services Administration, Emergency Management Administration, Public Facilities Management

Master of Science program in: Homeland Security

Graduate Homeland Security concentration:

In conjunction with the Gallaspy Family College of Education and Human Development, the Department of Criminal Justice, History, and Social Sciences offers the Adult Education concentration in Homeland Security (510B). Refer to the Gallaspy Family College of Education and Human Development graduate programs section of this catalog for concentration requirements.

Pre-professional Program:

Pre-law

Certification Offered:

Pre-law and Paralegal Studies Program

Criminal Justice

Criminal Justice Major Requirements: (46 semester hours)
Students seeking a major in Criminal Justice must complete 46 semester hours within the 120 semester hour Criminal Justice curriculum, which include Criminal Justice 1100, 2300, 2400, 2500, 3040, 3090, 3350, 3360, 3380, 4200 (or UPISA 4200), 4250, 4450, 4460, 4480, 4500; Sociology 4080.

Available Concentrations:

Pre-Law; and Paralegal Studies (250B): (21 semester hours) to include 15 semester hours from PLPS 3020, 3030, 3040, 3050, and 3070, and (6) six semester hours of PLPS electives selected from PLPS 3010, 2060, and 3080.

Criminal Justice Minor Requirements: (21 semester hours)
Criminal Justice 1100, 2300, 2400, 2500 and nine semester hours of advanced criminal justice.

- Students enrolled in the Bachelor of Arts degree in Criminal Justice (250) and have successfully completed the requirements set by the Louisiana Police Officer Standards and Training (P.O.S.T.)* Council for the police academy will be given credit for the following courses once they present their credentials to the University: CJ 1100, 2160, 2300, and six hours of electives.

*Other states equivalency certificates will be accepted in lieu of the Louisiana P.O.S.T. certificate.

- Criminal Justice majors who have completed the Land Management Police Training program through the Federal Law Enforcement Training Center will be given credit for Criminal Justice 2260, 4460, and 4475.

Curriculum for Criminal Justice (250)

FIRST YEAR	SEM. HRS.
Criminal Justice 1100	3
Electives ¹	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ¹	6
Natural Science ¹	6
University Studies 1000	1
Sociology 1010	3
	31
SECOND YEAR	SEM. HRS.
Criminal Justice 2300, 2400, 2500	9
Electives ¹	6
English ¹	3
Political Science 2010	3
Psychology 1010	3
Natural Science ¹	3
	27

THIRD YEAR	SEM. HRS.
Criminal Justice 3040, 3350 ⁴ , 3380, 4250 ⁴ , 4450	15
English 3230	3
Foreign language ²	6
Humanities ¹	3
Psychology 2450	3
	30

FOURTH YEAR	SEM. HRS.
Criminal Justice 3090, 3360, 4200(or UPSA 4200), 4460, 4480, 4500	17
Electives ³	6
English or communication ¹	3
Political Science 3090	3
Sociology 4080	3
	32

Total Semester Hours for Degree:.....120

Footnotes:

¹ Must meet university core requirements.

² All six semester hours must be in the same foreign language.

³ Pre-Law and Paralegal Studies concentration students must take PLPS 3020, 3030, 3040, and an additional (6) six hours from 3010, 3060, 3080.

⁴ Pre-Law and Paralegal Studies concentration students must take PLPS 3050 in lieu of CJ 3350 and PLPS 3070 in lieu of CJ 4250.

History

History Major Requirements: (42 Semester Hours). Students seeking a major in History must complete 42 semester hours within the 120 hour History curriculum, which include History 1010, 1020, 2010, 2020, 3990, and 24 semester hours of advanced American and European/non-American history courses, twelve of which must be in one field and twelve in the other. Students must also complete Social Studies 1030 (Social Sciences Seminar), UNIV1000, and an approved minor.

History Minor Requirements: (21 Semester Hours) History 1010, 1020, 2010, 2020, and nine hours of advanced history.

Creole Studies Minor Requirements: (18 Semester hours) History 3040; Anthropology 4050; English 4770 or 4873; Sociology 4080; 3 hours from Music 2000, Art 3600, Theater 4260, or Dance 4500; 3 hours from Art 4030, History 4080, Anthropology 4060, or English 3850.

Social Science Minor Requirements: (27 semester hours) 27 semester hours in the social sciences, with six semester hours in one field of social sciences and nine semester hours at the 3000 level or above.

Curriculum for History (261)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Geography 1010	3
History 1010, 1020	6
Mathematics ¹	6
Natural Science ¹	6
University Studies 1000	1
Social Studies 1030	3
	31

SECOND YEAR	SEM. HRS.
Elective ²	6
English 2110	3
Foreign language ²	6
History 2010, 2020	6
Natural Science ¹	3
Political Science 2010	3
	27

THIRD YEAR	SEM. HRS.
Communication 1010	3
Electives ²	9
Fine Arts 1040	3
History 3990	3
History electives	12
	30

FOURTH YEAR	SEM. HRS.
Elective ²	20
History electives	12
	32

Total Semester Hours for Degree:.....120

Footnotes:

¹ Must meet University core requirements.

² The electives must be chosen so as to complete a minor as defined by the department concerned.

³ All six semester hours must be in the same foreign language-1010, 1020.

Organizational Leadership

The Bachelor's Degree in Organizational Leadership consists of 30 hours of core courses offered jointly by faculty at the nine University of Louisiana System institutions and 30 hours of concentration and elective courses. The courses are offered in five, eight-week sessions each year and can be completed in two calendar years. Courses will be taught through an online platform and will be uniform in cost across concentrations and universities.

To enter the program, students must be at least 25 years old and have completed 60 hours of college credit, including general education courses. However, students with less than 60 hours will have opportunities to earn credit online or through prior learning assessment that gauges skills learned on the job.

Students must complete the 30 core hours in Organizational Leadership and complete the curriculum requirements specific to their concentration. Contact the Department of Criminal Justice, History, and Social Sciences for detailed information (318) 357-6967.

Available Concentration:

Unified Public Safety Administration (260A): (21 semester hours) CJ 3360, UPSA 3700, 4100, 4200, 4400, 4700, and 4480.

Curriculum for Organizational Leadership (260)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Mathematics ¹	6
Natural Science ¹	6
University Studies 1000	1
Sociology 1010	3
Approved electives	8
	30

SECOND YEAR	SEM. HRS.
Communication 1010	3
English 2110	3
Fine Arts 1040	3
Foreign Language ²	6
History 2020	3
Political Science 2010	3
Psychology 1010	3
Natural Science ¹	3
Approved electives	3
	30

THIRD YEAR	SEM. HRS.
Criminal Justice 3360.....	3
Organizational Leadership 3000, 311, 314, 3170, 321, 324, 327, 334.....	24
Unified Public Safety Administration 3700.....	3
	30
FOURTH YEAR	SEM. HRS.
Criminal Justice 4475.....	3
Organizational Leadership 335, 337.....	6
Unified Public Safety Administration 3400, 4100, 4200, 4400, 4700, 4000, 4480.....	21
	30
Total Semester Hours for Degree:.....	120

Footnotes:

¹ Must meet university core requirements.

² All six semester hours must be in the same foreign language.

Unified Public Safety Administration

Unified Public Safety Administration Major Requirements:

(51 semester hours) Students seeking a major in Unified Public Safety Administration must complete 51 semester hours within the 120 semester hour Unified Public Safety Administration curriculum, which include Criminal Justice 4475, History 2020, Management 3220, Philosophy 2020 (CJ 3380 may be taken in lieu of PHIL 2020), Political Science 2010, 3060, Psychology 2450, Social Work 4450 (SOC 4080 may be taken in lieu of SOWK 4450), Unified Public Safety Administration 2400, 2550, 2700, 3700, 4100, 4200 (CJ 4200 may be taken in lieu of UPSA 4200), 4400, 4480, 4700.

Unified Public Safety Administration Minor Requirements:

(21 semester hours) Unified Public Safety Administration 1500, 2100, 2400, 2700, and nine semester hours of advanced United Public Safety Administration.

Available Concentrations:

Law Enforcement Administration (256A): (20 semester hours) CJ 1100, 2300, 3360; PSCI 4040; and 8 hours of approved electives (CJ 3090; UPSA 1500, 2100, 2500, 2900, 3400, 4000).

Fire and Emergency Medical Services Administration (256B): (20 semester hours) UPSA 2250, 2400, 2900, 4300 or 4350; and 8 hours of approved electives (UPSA 1500, 2100, 2500, 3400, 4000).

- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their National Registry Emergency Medical Technician – Paramedic (NREMT-P) will be given credit for the following courses once they present their credentials to the University: CJ 4475, UPSA 2000, 2100, 2250, 2400, 2500, 2700, 2900, 1 hour elective.
- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their National Emergency Medical Service-Technician (NEMS-T) will be given credit for the following course once they present their credentials to the University: UPSA 2250.
- Students enrolled in the Fire and Emergency Medical Services Administration concentration (256B) and have completed their Louisiana certifications recognized by the Louisiana Office of the State Fire Marshall (or other state's equivalent) as a Firefighter I and II and Hazardous Materials will be given credit for the following courses once they present their credentials to the University: UPSA 2250 and 2900.

Emergency Management Administration (256C): (20 semester hours) UPSA 1500, 2100, 2500, 3400; and 8 hours of approved electives (CJ 2300, 3360; PSCI 4040; UPSA 2250, 2900, 4000, 4300, 4350).

- Students enrolled in the Emergency Management Administration concentration (256C) and have completed the Louisiana Emergency Basic Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2700, and 3700.
- Students enrolled in the Emergency Management Administration concentration (256C) and have completed the Foundational Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2900, and 3400.
- Students enrolled in the Emergency Management Administration concentration (256C) and have completed the Operational Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2700, 2900, 3400, and 3700.
- Students enrolled in the Emergency Management Administration concentration (256C) and have completed the Advanced Louisiana Governor's Office of Homeland Security and Emergency Preparedness Command College Director Certification will be given credit for the following courses once they present their credentials to the University: UPSA 2100, 2550, 2700, 2900, 3400, 3700, 4480, and MGMT 3220.
- Students enrolled in the Emergency Management Administration concentration (256C) and have successfully completed the Texas A&M Engineering Extension Service's certificate in Oil & Gas and Petroleum, Maritime, Environmental, General Industry, Aviation, Construction, Emergency Response or the Industrial Emergency Response Specialist will be given credit for the following courses once they present their credential to the University: UPSA 1500, 2400, 2500, 2550, 2700, and 2900.

Public Facilities Management (256D): (21 semester hours) MKT 3230; MGT 3320; UPSA 4350; UPSA 4100; UPSA 4400 or UPSA 4700; ENGL 3230; IDS 3000.

Curriculum for Unified Public Safety Administration (256)

FIRST YEAR	SEM. HRS.
English 1010, 1020.....	6
Mathematics ¹	6
Natural Science ¹	6
University Studies 1000.....	1
Sociology 1010.....	3
Unified Public Safety Administration 2400, 2550, 2700.....	9
	31
SECOND YEAR	SEM. HRS.
Communication 1010.....	3
English 2110.....	3
Fine Arts 1040.....	3
History 2020.....	3
Political Science 2010.....	3
Psychology 1010.....	3
Natural Science ¹	3
Unified Public Safety Administration concentration area.....	9
	30

THIRD YEAR	SEM. HRS.
Criminal Justice 4200 or UPSA 4200; 4475	6
Economics 2000 or Business Administration 1040	3
English 3230	3
Foreign Language ¹	6
Management 3220	3
Psychology 2450	3
Unified Public Safety Administration 4700	3
Unified Public Safety Administration concentration area	3
	30

FOURTH YEAR	SEM. HRS.
Philosophy 2020 or Criminal Justice 3380	3
Political Science 3060	3
Social Work 4450 or Sociology 4080	3
Unified Public Safety Administration 3700, 4100, 4400, 4480	12
Unified Public Safety Administration concentration area	8
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ Must meet university core requirements.

² All six semester hours must be in the same foreign language.

Pre-professional Program

Pre-law (250A)

All students who expect to enter law school after attending NSU should maintain contact with the pre-law advisor in the Department of Criminal Justice, History, and Social Sciences, regardless of their majors and in addition to any other advisors. Since a high level of undergraduate academic performance is necessary for admission to law school, the pre-law advisor is prepared to offer special information and counseling to students and will work with the student's advisor and dean in these respects. Students who desire to enter law school may do so by completing any appropriate curriculum. The pre-law advisor will furnish information about majors, minors, and courses which are acceptable to and/or required by law schools.

Pre-Law and Paralegal Studies Program Certification

The NSU Pre-Law and Paralegal Studies Program, offered through the Department of Criminal Justice, History, and Social Sciences, is an eight-course, 24-hour course of study designed to be completed in two years. Students may enroll at the beginning of any semester and the courses need not be taken in order. The courses are taught by attorneys and will prepare the students to work in most legal venues. Enrollment is open to anyone with a high school diploma. ACT scores are not necessary.

Graduate Program

Master of Science Program in: Homeland Security (579)

Degree requirements: Minimum of 36/42 semester hours depending on option chosen.

- A. Foundations: (27 semester hours) HS 5000, HS 5150, HS 5200, HS 5350, HS 5400, HS 5500, HS 5600, HS 5700, HS 5750.
- B. Concentration Area: (non-thesis): (9 semester hours) HS 5300, HS 5550, HS 5650.
(thesis): (0 semester hours).
- C. Support Area: (non-thesis): select 3 semester hours of electives from HS 5050 (required for students without Homeland Security related degree), HS 5100, HS 5800.
(thesis): select 6 semester hours of electives from HS 5050 (required for students without Homeland Security related degree), HS 5100, HS 5300, HS 5550, HS 5650, HS 5800.
- D. Application Area: (non-thesis): HS 5850.
(thesis): HS 5900.

DEPARTMENT OF LANGUAGE AND COMMUNICATION

Room 318, Kyser Hall
318-357-5598
languages@nsula.edu

Department Head: Sarah McFarland, *Associate Professor*

Professors Emeriti: Sara A. Burroughs, Christine Ford, Donald W. Hatley, Paralee Norman, Thomas N. Whitehead

Professors: Abney, Cruise, Kane, Razovsky

Associate Professors: Bauman, Crank, J. Croghan, Foster

Assistant Professors: Crawford, T. Croghan, Mischler, Rasmussen, Reynolds

Instructors: Comeaux, Ferrell, Henderson, LeBlanc, LeBrun, Masson, Mohammadi, Norwood, Pichon, Prince, Rougeou, Salter-Dromm, Wilson

Degree Programs Available Through the Department of Language and Communication

Bachelor of Arts programs in: Communication, with concentrations in mass communication, organizational communication, and rhetoric; English, with concentrations in film studies, folklife-southern culture, literature, and professional writing

Master of Arts program in: English, with concentrations in literature, folklife/southern culture, teaching English to speakers of other languages, writing and linguistics, and on-line

Communication

Communication Major Requirements: (46 semester hours) Students seeking a major in Communication must complete 21 semester hours in the Communication core, 24 semester hours in one of three available concentrations, and University Studies 1000 (total of 46 semester hours), within the 120 semester hour Communication curriculum. Communication core courses include: Communication 1020, 2020, 2500, 3120, 3210, 4110, and English 3230.

All students enrolled in the Communication major must select a minor. Students who complete a second major outside of English or Communication satisfy the minor requirement. Consult University Catalog for specific course requirements for each minor or second major.

Available Concentrations: (24 semester hours each)

Organizational Communication (225A): Communication 3020, 3040, 4120, 4280; and twelve (12) semester hours from among Communication 2050, 3060, 4130, 4220, 4250, 4270, 4290, or 4310.

Rhetoric (225C): Communication 2010, 2050, 4010, 4030; and twelve (12) semester hours from among Communication 3050, 3060, 3100, 3440, 4020, 4120, and 4270.

Mass Communication (225D): Communication 2510, 3050, 3060, 3430, 3440, 3530, 3600; and three (3) semester hours in an upper-level Communication course.

Communication Minor Requirements: (24 semester hours) Student seeking a minor in Communication must complete Communication 2020, 2500, 3120, 4110, and twelve (12) additional hours in Communication courses at the 3000-level or above.

Curriculum for Communication (225)

FIRST YEAR	SEM. HRS.
Communication 1010, 1020.....	6
Concentration.....	6
Electives ²	2
English 1010, 1020	6
Mathematics ¹	6
Natural Sciences ¹	3
University Studies 1000	1
	<u>30</u>

SECOND YEAR	SEM. HRS.
Communication 2020, 2500.....	6
Electives ²	6
English 2110.....	3
Humanities ¹	3
Natural Science ¹	6
Social/behavioral sciences ¹	6
	<u>30</u>

THIRD YEAR	SEM. HRS.
Communication 3120.....	3
Concentration.....	9
Electives ²	15
English 3230	3
	<u>30</u>

FOURTH YEAR	SEM. HRS.
Communication 3210, 4110.....	6
Concentration.....	9
Electives ²	12
Fine Arts 1040.....	3
	<u>30</u>

Total Semester Hours for Degree:.....120

Footnotes

¹ Refer to University core requirements.

² Electives are to be chosen to complete a minor as defined by department concerned. Students are strongly encouraged to enroll in courses in foreign language to fulfill this requirement.

English

English Major Requirements: (42 semester hours) A major in English requires successful completion of 42 semester hours, within the 120 semester hour English curriculum, which include a 12-semester hour English core and a 30-semester hour concentration.

Core: (12 semester hours) English 1010, 1020, 2070, 2110.

Concentration: (30 semester hours as defined below).

Available Concentrations: (30 semester hours each)

Literature (221A): English 3100, 3150, 3160, and 3170; three semester hours from English 3200, 4000, 4100, 4110 or 4660; English 4420; and twelve semester hours of advanced English courses.

Professional Writing (221B): Six semester hours from English 2090, 2100, 2510, or 2610; six semester hours from 3200, 4000, 4100, 4110, or 4660; English 4080 or 4420; and fifteen semester hours of advanced English courses.

Folklife-Southern Culture (221C): English 4670, 4650; eighteen hours in literature of the American South and Folklore; and six hours of advanced English courses.

Film Studies (221D): English 3500, 3510, 3520, fifteen hours in film and film studies; and six hours of advanced English courses.

English Minor Requirements: (24 semester hours) English 1010, 1020, six hours of English at the sophomore level, and 12 semester hours of advanced English.

Foreign Language Minor Requirements: (21 semester hours) A minor in Foreign Language can be earned by completing 21 semester hours in any foreign language.

Spanish Minor Requirements: (21 semester hours) A minor in Spanish can be earned by completing 21 semester hours in Spanish.

Curriculum for English (221)

FIRST YEAR	SEM. HRS.
Communication 1010	3
English 1010, 1020	6
History 1010, 1020, 2010, or 2020	3
Mathematics ¹	6
Natural Sciences ¹	6
Orientation 1010	1
Social/behavioral science ¹	3
Electives ²	2
	30

SECOND YEAR	SEM. HRS.
Electives ²	9
English 2070 and 2110	6
Fine Arts 1040	3
Foreign language ³	6
Natural Science ¹	3
Social/behavioral sciences ¹	3
	30

THIRD YEAR	SEM. HRS.
Electives ²	9
English concentration	15
Foreign language ³	6
	30

FOURTH YEAR	SEM. HRS.
Electives ²	15
English concentration	15
	30

Total Semester Hours for Degree:.....120

Footnotes

¹ Refer to University core requirements.

² Electives may be chosen so as to complete a minor as defined by the department concerned.

³ All twelve semester hours must be in the same foreign language—1010, 1020, 2010, and 2020.

Graduate Program

Master of Arts Program in: English (529)

Undergraduate preparation: an undergraduate major of at least 27 semester hours of English.

Foreign Language: Six semester hours of one foreign language at the sophomore level.

All students must take English 5800. All students awarded teaching assistantships must also take English 5280. These required courses do count as hours toward the degree.

A satisfactory written comprehensive examination.

Every thesis requires six hours of enrollment in English 5980 and an oral defense. All non-thesis degree plans require two research reports in lieu of thesis, to be approved by the student's degree committee and submitted to the Dean of the Graduate School.

Admission Requirements for the M.A. program in English

Successful applicants to the MA program in English will meet the following criteria, in addition to the admission criteria established by the Graduate School:

- undergraduate major in English **or**
- successful completion of at least 12 hours of upper-level English courses (3000 or higher) **or**
- submission of a critical writing sample of not more than 15 pages (for applicants whose major is something other than English or for those applicants who have not completed 12 hours of upper-level English courses). Writing samples should be submitted directly to the Director of Graduate Studies in English after the application for admission to graduate study has been submitted to the Graduate School.

In addition to the requirements above, applicants should submit the following supporting credentials:

- statement of purpose. In approximately 500 words, the applicant should describe his/her career goals and/or rationale for pursuing graduate study in English. This statement should demonstrate a substantial commitment to graduate study.
- minimum score of 3.0 on the analytical writing section of the GRE.

Areas of Study

Students will select one of the following concentrations:

1. **Writing and Linguistics (529A):** Students in the Writing and Linguistics concentration must complete:
 - ENGL 5800; 5280; 15 hours of linguistics, rhetoric, composition, or writing courses to be selected from the following courses: ENGL 6890, 6650, 6620, 6610, 6640, 6600, 6590, 6580, 6540, 6210, 5920, 5700, 5550, 5540, 5290, 5270, 5260, 5240, 5230, 5920, 5090, 5050, 5040, 5030, 5010; 3 additional hours of any graduate level ENGL course.
2. **Literature (529B):** Students in the Literature concentration must complete:
 - ENGL 5800, 5280 (if on assistantship); one 3-hour seminar in a major literary figure. Options for this requirement include, but are not limited to:
 - 6100: Chaucer
 - 6110: Shakespeare
 - 6120: Milton
 - 6200: Major Authors Seminar

Credit from a previous undergraduate course does not fulfill this requirement.

- at least 15 hours in literature or related courses from the following: ENGL 6630, 6590, 6580, 6373, 6310, 6290, 6230, 6210, 6200, 6120 (subtitles: 01, 02, 03, 04), 6110 (subtitles: 01, 02, 03, 04), 6100, 6030, 6300, 5710, 5590, 5570, 5560, 5500, 5450 (subtitles 01-06), 5400 (subtitles 01-05) 5350 (subtitles 01-04), 5300 (subtitles 01-04), 5250 (subtitles 01-03), 5210, 5090, 5030, 5020, 5010.

3. **Folklife/Southern Culture (529C):** Students in the Folklife/Southern Culture concentration are required to complete:
 - ENGL 5800, 5280 (if on assistantship. If student elects not to enroll in this course, s/he must select an appropriate course with advisor.), 6310 or 5590, 6480 or 5580.
 - at least 12 additional hours in the areas of Folklife and Southern literature, or other English courses with approval by advisor and department head. Students may choose to take their remaining courses in the areas of literature (particularly American literature), folklore, grant writing or linguistics. Here is a list of courses which can be used to fulfill the 12 hours: ENGL 6890, 6600, 6590, 6580, 6480, 6470, 6373, 6310, 6290, 6200, 6030, 5900, 5721, 5720, 5710, 5600, 5590, 5580, 5570, 5560, 5450, 5400, 5350, 5320, 5290.
4. **On-line (529D):** Students enrolled in the On-line concentration must take English 5800; six hours from British or American literature courses; six hours of writing or linguistics, and six hours of folklife/southern culture courses. The remaining three hours may come from any course offered in English at the graduate level. Students enrolled in the On-line MA program will receive priority registration for on-line courses. If students change to the traditional program, they will no longer be allowed priority registration for on-line courses. Students may not change from the on-line to the traditional program or vice-versa more than two times. On-line students will adhere to all other published requirements for the MA in English.
5. **Teaching English to Speakers of Other Languages (TESOL) (529E):** ENGL 5240, 6610, 6640, and two electives courses from the approved list (a total of 15 hours, required for the graduate certificate in TESOL) plus ENGL 5800, for a total of 18 semester hours.

Degree Options

Each concentration in the M.A. program in English offers two options, as described below.

Thesis Option:

Students choosing to write a thesis as the culminating project for their degree will enroll in 6 hours of ENGL 5980: Thesis. A fully approved thesis proposal must be on file in the Department and the Graduate School prior to registration for thesis hours. Thesis students must successfully defend the thesis prior to graduation. Thesis students complete 24 hours of course work (8 classes) and 6 hours of Thesis, ENGL 5980.

Non-Thesis Option:

All non-thesis students must submit two research reports in lieu of a thesis and will enroll in ENGL 6950: Research Problems. The papers must be approved by the student's degree committee and submitted to the Dean of the Graduate School. A written comprehensive examination is required of all non-thesis students. Non-thesis students complete 30 hours of course work (10 classes), including ENGL 6950: Research Problems, a written comprehensive examination, and two research papers-in-lieu of thesis.

Internships

Students may choose to take a 3-hour internship course which will provide practical experience in some aspect of English studies. Interns work at their assigned duties 10 hours each week during a long semester (160 hours total over the course of a semester). Internships are arranged with a

supervising professor, who must be a member of the graduate faculty, and must be approved as a part of the student's plan of study prior to enrollment in the course. Only one 3-hour internship course may be applied toward the completion of the degree.

Degree Requirements

In order to advance to candidacy, students in the MA program in English must fulfill the requirements outlined below:

1. **Foreign Language:** successful completion of 6 hours of one foreign language at the 2000-level or successful completion of a 3-hour graduate-level language reading course in French or Spanish (i.e.: FREN 5000).
2. **Required Courses:** All graduate students must complete ENGL 5800: Bibliography and Literary Research.
3. **Required Course for all Teaching Assistants:** Any student who accepts a teaching assistantship from the Department of Language and Communication must complete ENGL 5280: Composition Theory before he or she will be allowed to teach. This course does count as hours toward the degree.
4. **Comprehensive Examination:** Students pursuing the non-thesis option must successfully pass a written comprehensive examination.
5. **Thesis Proposal:** Students choosing the thesis option must submit a thesis proposal that has been approved by their thesis committee before they will be permitted to register for thesis hours. A fully signed copy of the proposal must be submitted to the Departmental Director of Graduate Studies before thesis hours may be added to a student's schedule.
6. **Thesis or Papers-in-Lieu of Thesis:** Each student will determine whether he or she will submit a thesis or two papers-in-lieu of thesis as the final project in their degree program. This decision should be made in consultation with the students' major professor no later than the conclusion of the second semester of graduate study.
7. **Defense of Thesis or Papers-in-Lieu of Thesis:** All students must successfully pass an oral comprehensive defense of their thesis or papers-in-lieu of thesis.

Comprehensive Examinations

The following policies and procedures will govern comprehensive examinations for graduate students in English.

1. The exam will consist of four to five essay questions. The student will select two questions to which he or she will write well-developed and documented essay responses. The essay questions will cover each of the three concentrations in the M.A. program in English; students will be expected to respond to the questions appropriate to their area of study. Questions will be submitted by each member of the English graduate faculty and will be compiled by the Graduate Director and/or the Department Head.
2. The Graduate Director will provide students with a website link to which sample exams will be posted. Additionally, the Graduate Director will discuss, in general terms, the style and kinds of answers which would be appropriate at a meeting for Papers-In-Lieu students.
3. A successful examination that earns a passing grade will illustrate the following qualities:
 - thorough analysis
 - clearly crafted organization
 - effective use of evidence, with proper documentation of any sources used

- strong grammatical and editing skills
Each essay will be worth 50 points, and a minimum average score of 80 is required to pass.
4. The comprehensive examination committee will consist of the student's papers-in-lieu-of-thesis committee.
 5. Computers will be supplied for the exam and word processed work is preferred; however, blue books may be used and will be supplied by the Department. Students must understand that their handwriting must be legible. If handwriting is illegible, then the exam will not earn a passing grade.
 6. Students will be given 4 hours to respond to two essay questions which they can select from a pool of four to five questions. Students may use books or reference material as necessary. Students may take breaks as necessary to attend to personal needs, but they should be aware that the exam clock will not stop when students take breaks.
 7. The Graduate Director will arrange for rooms, labs, and monitors.
 8. Students will receive written notification via the Graduate School Comprehensive Grade Notification form.
 9. If a student fails the exam, he or she may reapply the next semester. After a second failure, the student must secure both a departmental recommendation and approval from the Graduate Council to take the examination a third and final time.
 10. Distance education students will take the exam in Blackboard and will be allocated 4 hours to complete the exam. They may use books and other materials as necessary.

DEPARTMENT OF PSYCHOLOGY

Room 335, Bienvenu Hall
318-357-6594
psychology@nsula.edu

Department Head: Susan Thorson-Barnett, *Associate Professor*

Professor Emeritus: Maureen A. McHale

Professor: Moulton

Associate Professors: Biscoe, Kelly, Kneipp, Lindsey

Instructors: Deep, Gruesbeck, Isbell, Johnson, Wall-Hale, Shaw

Mission of the Department of Psychology

In keeping with the stated mission of the University, the Department of Psychology is dedicated to providing a high quality and functional education at both the undergraduate and graduate levels by actively engaging in the discovery and dissemination of knowledge across the subfields of Psychology, including clinical, experimental, and applied areas. Students develop mastery and integration of vocabulary and theory, as well as critical thinking and analytic skills, through didactic, laboratory, and practicum/externship training experiences. To further illustrate the relationship between theory, research, and application, the Department of Psychology emphasizes the ethical use of psychology principles in applied contexts.

As part of our educational mission, encouragement and support are provided for research and scholarship by both the faculty and the student body. These activities are designed to foster professionalism and enhance opportunities for graduate education and/or immediate employment and service in the community.

Degree Programs Available Through the Department of Psychology:

Bachelor of Science programs in: Addiction Studies;
Psychology with concentrations in prevention specialist
and substance abuse

Master of Science program in: Psychology, Clinical with
concentration in substance abuse

Addiction Studies

Addiction Studies Major Requirements: (60 semester hours)
Students seeking a major in Addiction Studies must complete 30 semester hours of Addiction Studies and 30 semester hours of Psychology, within the 120 semester hour Addiction Studies curriculum, which include: Addiction Studies 1010, 2050, 2430, 2450, 3010, 3020, 4040, 4450, 4500, 4510 or PSYC 4510; Psychology 1010, 2050, 2430, 3010, 4400, 4440, 4450, 4700, and two Psychology support courses (one course at the 1000-2000 level and one course at the 3000-4000 level) as approved by the advisor. Special requirements: University Studies 1000; Science 1010 or Chemistry 1030 or 1070; Biology 1010 - 1011 and one sequence from Biology 2220 - 2221 or 2230 - 2231. Majors may not count any grade in Addiction Studies and Psychology courses lower than C towards the major curriculum.

Addiction Studies Minor Requirements: (18 semester hours)
Addiction Studies 1010, 2050, 2430, 3010, 3020 and 4510.

Curriculum for Addiction Studies (395)

FIRST YEAR	SEM. HRS.
Addiction Studies 1010	3
Biology 1010-1011	4
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020, 1060 or 1090 or 2010	6
University Studies 1000	1
Psychology 1010	3
Science 1010 or Chemistry 1030 or 1070	3
Social Sciences ¹	3
	32
SECOND YEAR	SEM. HRS.
Addiction Studies 2050, 2430	6
Behavioral science ¹	3
Biology 2220-2221 or 2230-2231	4
Electives ²	3
Humanities ¹	9
Psychology 2050, 2430	6
	31
THIRD YEAR	SEM. HRS.
Addiction Studies 2450, 3010, 3020, 4510 or Psychology 4510	12
Electives ²	6
Psychology 3010, 4400, 4440, Psychology elective ² (1000-2000 level)	12
	30
FOURTH YEAR	SEM. HRS.
Addiction Studies 4040, 4450, 4500	9
Electives ²	9
Psychology 4450, 4700, Psychology elective ² (3000-4000 level)	9
	27
Total Semester Hours for Degree:	120

Footnotes

¹ Refer to University core requirements.

² Psychology electives may include the following: Psychology 2250, 2450, 3050, 3060, 3200, 4040, 4700, 4900 or Addiction Studies courses.

Psychology

Psychology Major Requirements: (48 semester hours)
Students seeking a major in psychology must complete 48 semester hours of psychology courses, within the 120 semester hour psychology curriculum, which includes: Psychology 1010, 2040, 2050, 2430, 3010, 3020, 3050 or 3060, 4400, 4410, 4440, 4450, 4470, 4510, 4830 (Senior capstone course) and two Psychology/Addiction Studies electives as approved by the advisor. Special requirements: University Studies 1000, Science 1010 or Chemistry 1030 or 1070; Biology 1010 - 1011 and one sequence from Biology 2220- 2221 or 2230 - 2231. Majors may not count any grade in a psychology course lower than C towards the psychology major curriculum.

Psychology Minor Requirements: (21 semester hours)
Psychology 1010, 2430, 4400, 4410, 4450, 4510, and three semester hours of Psychology electives.

Available Concentrations:

Substance Abuse (392B): (12 hours required and 3 semester hours of field experience in Mental Health Agency optional); HED 4600; CJ 4500; PSYC 4700; SOWK 4800; PSYC 4600 (optional).

Prevention Specialist (392C): (12 semester hours required and 3 semester hours of field experience in Mental Health Agency optional); HED 3000; MGT 2500, 3220; PSYC 4700; PSYC 4600 (optional).

Special Requirements for Concentrations:

1. Must be a Psychology major and complete all requirements of Psychology degree program.
2. Must have completed at least 60 hours in degree program and have a 2.5 cumulative grade point average to apply.
3. To pursue a concentration, you must break-up the elective hours and take 6 concentration elective hours for the third year and 6 concentration elective hours for the fourth year.

Out of the 30 free electives, no more than four hours of credit earned in extra-curricular activities may be applied to fulfillment of the Psychology degree requirements in order to meet the 120 hours baccalaureate degree requirements. The Bachelor of Science program is also offered through electronic delivery. See web site <http://www.nsula.edu/psych-online>.

Curriculum for Psychology (392)

FIRST YEAR	SEM. HRS.
Biology 1010-1011	4
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020, 1060 or 1090 or 2010	6
University Studies 1000	1
Psychology 1010, 2040	6
Science 1010 or Chemistry 1030 or Chemistry 1070	3
Social sciences ¹	3
	32

SECOND YEAR	SEM. HRS.
Behavioral sciences ¹	3
Biology 2220-2221 or 2230-2231	4
Electives	6
Humanities ¹	9
Psychology 2050, 2430, 3010	9
	31

THIRD YEAR	SEM. HRS.
Electives	15
Psychology 3020, 3050 or 3060, 4400, 4410, 4440	15
	30

FOURTH YEAR	SEM. HRS.
Electives	9
Psychology 4450, 4470, 4510, 4830, 2 psychology electives ²	18
	27

Total Semester Hours for Degree:.....120

Footnotes

¹ Refer to University core requirements.

² Psychology electives may include the following: Psychology 2250, 2450, 3050, 3060, 3200, 4040, 4700, 4900 or Addiction Studies courses.

Graduate Program

Master of Science Program in: Psychology, Clinical¹ (552)

The Master of Science degree in Psychology, Clinical is accredited by the Masters in Psychology Accreditation Council. This program is designed for students who plan to continue doctoral training in Clinical Psychology or seek clinical employment at the M.S. level. The emphasis is on clinical assessment, theory, application, and research. The M.S. degree in Psychology, Clinical requires 39 hours of course work, comprehensive examinations, an empirical thesis or paper-in-lieu, and practicum, and externship.

¹ In correcting deficiencies, only credits earned with a minimum grade of B will be accepted.

Admission Requirements of the Program:

Regular Admission

Admission with *Regular Status* into the program requires:

1. A bachelor's degree with at least 18 semester hours in Psychology, including at least three semester hours from each of the following areas: statistics, test and measurements, abnormal, and experimental.
2. Grade point average of at least 3.0.
3. GRE of 900 (combined verbal and quantitative).
4. Self-Statement (500-word, double-spaced, typed essay that discusses the student's personal goals and reasons for wanting to earn a Masters Degree in Clinical Psychology from Northwestern State University).
5. Two letters of recommendation.
6. Interview with departmental graduate faculty.

Conditional Admission

Conditional admission to the Clinical Psychology program may be granted for the first 9 semester hours of approved graduate study for students who:

Have a grade point average of at least 2.5 but less than 3.0 and GRE of 900

OR

Have a GRE score of 750 (combined verbal and quantitative) but less than 900 and GPA of 3.0.

Conditional status in a master's degree program may be changed to regular status by earning 9 semester hours of approved graduate degree credit at Northwestern State University with a grade of B or better on all graduate work pursued. Failure to achieve regular status after 12 graduate semester hours will result in suspension from any master's degree program.

Program Requirements:

1. Core Requirements: Psychology 5100, 5120, 5130, 5200, 5250, 5260, 5270 (6 hours), 5300, 5320, 5750, 5980 or three hours selected from any 5000-level psychology course not already required for the M.S. in clinical Psychology, 6000 – a minimum of 39 semester hours.
2. Students must maintain a minimum grade point average of 3.0 with no grade lower than "C" and not more than six hours of credit with a grade of "C" shall be presented to fulfill the course requirements for the degree. No grade below "B" is acceptable for transfer credit.

3. A minimum grade of B must be earned on all "clinical" psychology courses pursued. Clinical courses include: 5200, 5250, 5260, 5270, 5300, 5320, 5400, 5500, 5750, 5980, and 6000. For non-clinical courses, a minimum grade of B must be earned for 5130 and 5980 and a grade of "C" for 5100 and 5120 shall be reviewed by the student's committee.
4. Students shall complete a pretest upon entry to the program. The pretest is to assess the student's knowledge of relevant areas upon entering the program and is not reflected on the student's academic record.
5. Students shall pass written comprehensive examinations.
6. Students shall complete and successfully defend an empirical thesis (PSYC 5980).
7. Students shall complete a 300-hour practicum (PSYC 5270; 6 hours) at an approved mental health site.
8. All students shall conduct themselves in an Ethical and Professional manner as a member and representative of the Clinical Psychology program and Northwestern State University. If students engage in unethical behavior according to the APA Code of Conduct, they will be subject to dismissal from the program.

Available concentration:

Substance Abuse (552S): CJ 4500, HED 4600, PSYC 6870, SOWK 4800.

Special Requirements for Concentration:

- a. Must be receiving a master's degree in psychology, clinical.
- b. Must have a grade point average of at least 3.0.
- c. Must be taking the required concentration courses in addition to the 39 semester hours required for the Psychology, Clinical master's degree.
- d. These courses may not count as electives for the Psychology, Clinical master's degree.

DEPARTMENT OF SOCIAL WORK

Room 118A, Kyser Hall
318-357-5493
socialwork@nsula.edu

Department Head: TBA

Professor: Tyler, Weinzettl
Associate Professors: Fisher, Haley, Pierce
Assistant Professors: Clark, McKinney
Instructor: Feldt

Degree Offered Through the Department of Social Work:

Bachelor of Social Work

The social work program is fully accredited at the baccalaureate level by the Council on Social Work Education, 1725 Duke Street, Suite 500, Alexandria, Virginia 22314-3457, (703) 683-8080, email accred@cswe.org, CSWE online www.cswe.org.

Admission to the Social Work Professional Program

This program prepares the student for beginning generalist social work practice.

Students must meet the following criteria for admission to the Social Work professional program:

1. Completion of all courses in the pre-professional curriculum.
2. A cumulative grade point average of 2.5 or above.
3. A minimum grade of C or above in Social Work 2090, 2100, and English 1010 and 1020.
4. Adherence to the values and the ethics of the social work profession.
5. Submission and approval of an Application for Admission to the Social Work Professional Program prior to the pre-registration period for the next regular fall or spring semester.

Social Work

Social Work Major Requirements: (54 semester hours)
Students seeking a major in Social Work must complete 54 semester hours within the 120 semester hour Social Work curriculum, which include Social Work 2090, 2010, 2100, 3030, 3040, 3120, 3130, 3140, 3180, 3350, 4030, 4040, 4190 (12), 4350, 4450.

Under no circumstances are academic credits to be awarded in Social Work courses for life or work experiences.

Curriculum for Social Work (274)

FIRST YEAR	SEM. HRS.
Computer Information Systems 1020	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ¹	6
University Studies 1000	1
Psychology 1010	3
Science 1010	3
Social Work 2010, 2100	6
Sociology 1010	3
	34

SECOND YEAR	SEM. HRS.
Communication 1010	3
English 2110	3
Foreign language ²	6
History 2010, 2020	6
Political Science 2010, 2020	6
Science 1020, 2020	6
Social Work 2090	3
	33

THIRD YEAR	SEM. HRS.
Electives	2
Social Work 3030, 3040, 3120 ³ , 3130 ³ , 3180, 3350, 4030, 4350, 4450	27
	29

FOURTH YEAR	SEM. HRS.
Electives	6
Social Work 3140 ³ , 4040 ⁴ , 4190 ⁴	18
	24

Total Semester Hours for Degree:.....120

Footnotes:

- ¹ Must meet university core requirements.
- ² All six semester hours must be in the same foreign language.
- ³ Must earn at least a C to be used as a prerequisite for next course.
- ⁴ Social Work 4190 (field instruction) may be taken concurrently with Social Work 4040 at six hours credit per semester for two semesters or in one semester concurrently with Social Work 4040 at twelve hours credit.

Criteria for Dismissal from the Social Work Program

Dismissal from the social work program can be for both academic and nonacademic reasons, including but not limited to:

1. Failure to earn at least a C when repeating or enrolling for the second time in the same required social work course.
2. Failure to maintain an overall 2.5 average for two consecutive semesters.
3. Academic cheating or plagiarism.
4. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
5. Illegal possession of weapons.
6. Conviction of a felony.
7. Serious violations, as determined by the social work program faculty, of the NASW Code of Ethics.

Appeals

All decisions leading to dismissal from the social work program are subject to appeal following the procedures established by Northwestern State University.

COLLEGE OF NURSING AND ALLIED HEALTH

1800 Line Avenue, Shreveport, LA 71101
318-677-3100
nursing@nsula.edu

Dean: Norann Planchock, *Professor*

Professors: Aaron, Simmons, Wells

Associate Professors: Clawson, Curtis, Farmer, Haynes, M. Johnson, Kevil, Moore, Shelton

Assistant Professors: Akins, Arterberry, Barnett, Clark, Cook, Copple, Cox, Curry, Darfus, Davis, DeLacerda, Deshottels, Downey, Garcia, R. Harrell, Hartt, Hayter, Hernandez, Hickman, Hicks, Holcombe, Horton, S. Johnson, Kreideweis, Kyzar, Lawson, Moody, Nichols, Palermo, Pearce, Peters, Ray, Roberts, Snell, Tate, Walker, Wilhite, Y. Williams, Wilson, Wissing, Wood, Young

Instructor: Bridges

Mission of the College of Nursing and Allied Health

Northwestern State University College of Nursing and Allied Health serves the people of Louisiana and in so doing improves the health of its citizens while advancing the mission of Northwestern State University through excellence in accessible undergraduate, graduate, and continuing education programs that are designed to assist individuals in achieving their professional goals as responsible and contributing members of their profession and society.

Degrees Offered Through the College of Nursing and Allied Health

Associate of Science in Nursing

Bachelor of Applied Science program in: Allied Health with concentration in: health science and technology

Bachelor of Science in Nursing

Bachelor of Science program in: Radiologic Sciences

Master of Science program in: Radiologic Sciences (*see associated concentrations*)

Master of Science in Nursing (*see associated concentrations*)

Accreditation

The Associate of Science in Nursing, the Bachelor of Science in Nursing and the Masters of Science in Nursing programs at NSU are approved by the Louisiana State Board of Nursing, 17373 Perkins Road, Baton Rouge, LA 70810, telephone phone number (225) 755-7500. The Associate of Science in Nursing is accredited by the National League for Nursing Accrediting Commission (NLNAC), 3343 Peachtree Road NE, Suite 850, Atlanta, Georgia 30326. The Bachelor of Science in Nursing and the Master of Science in Nursing programs are accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, telephone number (202) 463-6930. The Bachelor of Science program in Radiologic Sciences is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606-3182, (312) 704-5300, mail@jrcert.org.

Comparative information regarding tuition, fees and length of nursing programs in this geographical area is available from the National League for Nursing, 61 Broadway, 33rd Floor, New York, NY 10006, telephone number 212-363-5565.

Undergraduate Programs

ALLIED HEALTH

Available Concentration:

Health Science and Technology (620A): (18 hours) Courses for this concentration will enhance students' knowledge and skills related to the patient care environment and/or teaching in health related areas. Students will be able to select courses from a pre-determined list that best meet their career goals. Examples of courses that may be included in this concentration are: ALHE 4430; BIOL 2210, BIOL 2240; BUAD 1800, BUAD 2200, BUAD 3250; CIS 3020; EDAA 4700; ENGL 3230; HED 2000, HED 3000; MGT 3220; PSYC 3010, PSYC 4450; RADS 3910, RADS 3920, RADS 4610, RADS 4710. Others as approved by advisor.

Curriculum for Allied Health (620)

Core Requirements: (see University Core for specific requirements)

English.....	6 hours
Mathematics.....	6 hours
Natural Science.....	9 hours
Humanities.....	3 hours
Fine Arts.....	3 hours
Social/Behavioral Science.....	6 hours

Total: 33 hours

Allied Health Clinical Coursework:

Students may be awarded up to 30 hours of credit for completion of clinical coursework associated with approved associate degree of certified allied health programs and have obtained licensure, certification, or registration in the allied health specialty. **(Total: 30 hours)**

THIRD YEAR	SEM. HRS.
Allied Health 1020, 2200, 3840, 3900, 4230, 4520.....	15
Communication 1010.....	3
Concentration courses.....	6
Psychology 2050, 4400.....	6
	30
FOURTH YEAR	SEM. HRS.
Allied Health 4600, 4630, 4900.....	12
Concentration courses.....	12
Elective.....	3
	27

Special Admission, Progression, Dismissal and Graduation Policies

The student who indicates the Bachelor of Science in Nursing or Associate of Science in Nursing program as a major must meet University admission requirements and comply with academic regulations and policies. The student who has been denied progression in courses or dismissed from another nursing program will be evaluated on an individual basis.

A student who has: (1) been issued a citation or summons for, or has/have warrant(s) been issued against, related to, or been arrested, charged with, arraigned, indicted, convicted of, pled guilty "no contest"/"nolo contendere"/"best interest of" or any similar plea to; or been sentenced for any criminal offense, including all misdemeanors and felonies in any state or other jurisdiction, (2) had a license to practice nursing or as another health care provider denied, revoked, suspended, sanctioned, or otherwise restricted or limited, including voluntary surrender of license – including restrictions associated with participation in confidential alternatives to disciplinary programs, (3) been discharged from the military on ground(s) other than an honorable discharge, (4) been diagnosed with or has had a medical, physical, mental, emotional, or psychiatric condition that might affect your ability to safely practice as a registered nurse, (5) had a problem with, been diagnosed as dependent upon, or been treated for mood altering substances, drugs or alcohol, or (6) been diagnosed as dependent upon/addicted to, or been treated for, dependence upon medication **MUST** receive approval from the Louisiana State Board of Nursing (telephone: 225-755-7500) before being accepted into this program. Failure to disclose or to correctly answer these questions constitutes falsification of documents and may result in delay or denial of admittance. The Louisiana State Board of Nursing will conduct a criminal records check on all applicants.

If a student is admitted to the clinical sequence of the program, any subsequent disciplinary action, arrest, criminal charge or conviction, addiction, or impairment, etc. shall also be reported **IMMEDIATELY** to the appropriate program director and to the Louisiana State Board of Nursing (LSBN). All required documents shall be forwarded to the LSBN for evaluation in determining the student's eligibility to continue in the clinical sequence of the program.

The following statements relating to admission, progression, and dismissal are consistent with policies of the University.

Special Admission Requirements for the University

1. An Application for Admission to the University with appropriate fee.
2. Official transcripts from all universities attended to the Office of Admissions, 444 Caspari Street, Northwestern State University, Natchitoches, Louisiana 71497-0002 and to the College of Nursing and Allied Health, 1800 Line Avenue, Shreveport, Louisiana 71101-4653.
3. All freshmen and transfer applicants with fewer than three credits in English composition and three credits in college mathematics beyond the developmental level must submit scores from the ACT assessment.

Enrollment in Clinical Nursing Courses

Admission to the University does not guarantee enrollment in clinical nursing courses. Selection for enrollment in nursing courses is on a competitive basis for available spaces.

Students must meet the following minimum criteria to be considered for selection for enrollment in clinical nursing courses:

1. Admission to the University and submission of all official transcripts to the Office of Admissions on the Natchitoches campus.
2. A cumulative grade point average of 2.0 or above.
3. A minimum grade of "C" in all required biology, chemistry, mathematics, and nursing courses.
4. Completion of pre-requisite general academic courses toward the degree.
 - a. ASN Program—first semester of curriculum pattern.
 - b. BSN Program—first three semesters of curriculum pattern (may be in the process of completing during the semester prior to applying for clinical nursing courses). Note: In order to be eligible for enrollment in NURB 3030 (Nursing as a Profession) and/or NURB 3050 (Pathophysiology), students must have completed the courses in the first two semesters of the curriculum pattern AND either be enrolled or have already taken the general education courses in the 3rd semester of the curriculum pattern. Additionally, a minimum GPA of 2.7 in courses required for the BSN degree is required in order to be enrolled in NURB 3030 (Nursing as a Profession) and NURB 3050 (Pathophysiology).
5. Minimum grade point average of 2.7 in all courses completed that are required for the degree excluding electives.
6. Completion of required entrance examinations for nursing, achieving at least the minimum required score on the exam.
7. Completion of an Application to Enroll in Clinical Nursing Courses form including:
 - a. Copy of scores on required entrance examinations for nursing.
 - b. Verification of licensure as a health care provider (if applicable).
 - c. Response to any Requests of Waiver of Policy (if applicable).
 - d. Final order of the Louisiana State Board of Nursing (if applicable).
8. Completion of required criteria and submission of completed Application to Enroll in Clinical Nursing Courses in the office of the Director of Undergraduate Studies in Nursing by **CERTIFIED MAIL no later than** the following deadlines:
 - Fall enrollment—May 15th
 - Spring enrollment—August 15th
9. An application to enroll in clinical nursing courses is valid for one semester only.
10. No application to enroll in clinical nursing courses will be accepted after the designated deadlines.

Selection for Enrollment in Clinical Nursing Courses

Admission to the University does not guarantee enrollment in nursing courses. Applicants who submit a completed application to enroll in clinical nursing courses will be selected for admission on a competitive basis according to the following variables:

1. Grade point average in all courses that are required for the degree excluding elective hours.
2. Pattern of repeated pre-requisite general academic courses required for the degree.

3. Entrance examination scores.
4. Number of general academic credit hours required for degree completed at Northwestern.
5. Completion of a baccalaureate or higher degree and/or licensure in the health care system.

Students admitted to the first clinical nursing course must submit all documents required by the Louisiana State Board of Nursing by the stated deadline. Applicants who fail to do so will NOT be accepted into first level clinical courses. Applicants must also complete an Undergraduate Studies in Nursing Health Form within four weeks following registration. These forms will be mailed to applicants with notification of acceptance for enrollment in nursing courses. The physical examination and laboratory tests can be conducted no earlier than six weeks prior to registration.

Criteria for Progression in Undergraduate Studies in Nursing

1. Complete pre and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.
3. Earn a minimum grade of "C" in all required biology, chemistry, and mathematics courses.
4. Earn a minimum grade of "C" in all required nursing courses before progressing to the next required nursing course(s).
5. A passing score on all required standardized examinations (excluding the critical thinking entrance and exit exams). Students who fail to earn a passing score on standardized examinations may repeat the examination one time. Failure to earn a passing score on repeat of the examination will result in a grade of "incomplete" in the course and the policy for "incomplete" (as per University catalog) will be followed. Students who fail to pass a standardized exam in the 2nd attempt will be required to remediate, and may repeat the exam a third time. Success on the 3rd repeat will result in reversal of the "incomplete" and the appropriate course grade will replace the "incomplete". Failure to pass the standardized exam on the 3rd attempt will result in a failing grade in the course.
6. A nursing course may be repeated one time only. A maximum of two different nursing courses may be repeated, including those dropped with a W or W+ grade.
7. A student repeating a nursing course must concurrently enroll in the co-requisite nursing course. Re-enrolling in co-requisite course in which the student had previously received a passing grade will not be counted as repeated nursing hours for the dismissal policy. The most current grade earned will be the grade for the course. Students repeating first level must submit an "Application to Enroll in Clinical Nursing Courses". All grades earned in courses required in the curriculum (including the failing grades in first level nursing courses) will be utilized to calculate the GPA which will be utilized to rank the student. Students approved to repeat-re-enroll-re-enter 2nd, 3rd, 4th and 5th (5th level for BSN Program, only) will be accepted based on space available.
8. Must maintain current BLS, and remain current with health form requirements.
9. A student must have his/her primary major declared for the program from which he/she plans to graduate.

Criteria for Dismissal from Undergraduate Studies in Nursing

A student is subject to dismissal from Undergraduate Studies in Nursing for the following reasons:

1. Failure to earn a minimum grade of "C" in more than 2 required nursing courses.
2. Student will be dismissed if the student has been unsuccessful after two enrollments in the same required nursing course (including "W" or "W+").
3. Participation in academic cheating and/or unauthorized possession of an examination.
4. Plagiarism.
5. Falsification of patient and/or agency records.
6. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
7. Illegal possession of weapons.
8. Theft.
9. Lack of professional compatibility or unsafe clinical practice as identified by the faculty in either of the undergraduate nursing programs.

Criteria for Graduation

Criteria for graduation from the BSN or ASN programs are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four year period after enrollment in the first clinical nursing course.
3. A minimum grade of "C" in all required biology, chemistry, mathematics, and nursing courses.
4. A passing score on all required standardized examinations (excluding the critical thinking entrance and exit exams). Students who fail to earn a passing score on standardized examinations may repeat the examination one time. Failure to earn a passing score on repeat of the examination will result in a grade of "incomplete" in the course and the policy for "incomplete" (as per University catalog) will be followed. Students who fail to pass a standardized exam in the 2nd attempt will be required to remediate, and may repeat the exam a third time. Success on the 3rd repeat will result in reversal of the "incomplete" and the appropriate course grade will replace the "incomplete". Failure to pass the standardized exam on the 3rd attempt will result in a failing grade in the course.
NOTE: Students MUST pass the comprehensive standardized exam given in 4th level ASN and 5th level BSN on the 2nd attempt. Failure to do so will result in a failing grade in NURA 2500 (ASN) or NURB 4240 (BSN).
5. Students must have their correct major on file with the registrar in order to graduate.

Requests for Waiver of Policies

1. Forms for Waiver of the Admission, Progression and Dismissal Policies should be submitted to:

Northwestern State University
College of Nursing and Allied Health
Appropriate Program Director (ASN or BSN)
1800 Line Avenue
Shreveport, LA 71101-4653

A committee will review the request for waiver and make recommendations to the appropriate program director. The student will receive written notification regarding the decision.

Forms pertaining to admission, progression and dismissal policies can be obtained from any of the following College of Nursing and Allied Health offices:

Shreveport Campus

Northwestern State University
College of Nursing and Allied Health
1800 Line Avenue
Shreveport, LA 71101-4653
(318) 677-3015

Natchitoches Campus

Northwestern State University
College of Nursing and Allied Health
South Hall
Natchitoches, LA 71497
(318) 357-6877 (NURSE)

Alexandria/Cenla Campus

Northwestern State University/CENLA
College of Nursing and Allied Health
Rapides Medical Center
211 Fourth Street
Alexandria, LA 71301
(318) 769-7991

or

Northwestern State University
College of Nursing and Allied Health
Learning Center for Rapides Parish
1410 Neel Kearby Boulevard
Alexandria, LA 71303
(318) 484-2184 (ext. NSU)

Leesville/Ft. Polk Campus

Northwestern State University/Leesville
College of Nursing and Allied Health
3329 University Parkway
Leesville, LA 71446
(337) 392-3100

2. For information on Grade Appeals or University Suspension Appeals, refer to University Academic Regulations and Policies in the University Catalog.

Transfer Credit in Nursing Courses

A transfer student may request credit for selective nursing courses based on the following criteria:

1. Successful completion of the course at another nursing program which is accredited by the National League for Nursing Accrediting Commission and/or CCNE.
2. Review of the course syllabus and approval by the Director for Undergraduate Studies in Nursing. A student who does not receive transfer credit may request to write a credit examination or enroll in the course. Transfer students must meet residency requirements.

Credit Examination in Nursing Courses

The College of Nursing and Allied Health faculty believe that there are many potential avenues for the acquisition of knowledge, attitudes and skills which are required for practice as an RN. In keeping with this philosophy, the faculty believes that student experiences in a formal educational environment should build on the student's present level of achievement. Therefore, the faculty subscribe to the principles of validation of the candidate's competencies and the awarding of credit based upon satisfactory achievements on examination.

The candidate is allowed to matriculate in the curriculum pattern at a level appropriate to demonstrated achievement. All

courses at and above the designated level of entry must be taken in residence.

1. The student must meet the requirements of the University to write credit examinations.
2. The student must meet with a faculty advisor to determine eligibility to write a credit examination and to secure information about preparation materials and testing dates.
3. The graduate of a practical nurse program may not write credit examinations in any nursing course until passing the NCLEX-PN.
4. The student requesting to write a credit examination must register for the specific credit examination in addition to other enrollment at registration.
5. Credit examinations for laboratory/clinical courses have a written and practical component. The student is required to achieve a passing score on the written component to be eligible to take the practical component. The student must achieve a passing score on both the written and practical components in order to achieve credit for the course.

Articulation Programs—for Licensed Practical Nurses (LPN)

The purpose of the articulation plans within the College of Nursing and Allied Health is to facilitate the upward progression of students in nursing curricula.

As validation of knowledge and skills, all prospective students must be actively involved in nursing practice and possess a current, unencumbered license to practice nursing (LPN). Applicants should schedule an appointment with a faculty advisor for planning.

LPN to ASN (400A)

1. The LPN who has successfully completed a state approved PN/VN program and has worked full time in nursing practice for one year must meet the same admission criteria as the generic student with the exception of completing Nursing 1050. This student must enroll in and successfully complete the Nursing 1060 Transition to Technical Nursing Course; must achieve a Fundamentals Test Score of Level II or higher. The test may be repeated only one time; must achieve a TEAS score of 64 or higher. The test may be repeated only one time.
2. If an LPN to ASN student scores below a Level II on the Fundamentals test or below a 64 on the test, that student Academic Skills test is eligible to petition to enter Nursing 1100 and Nursing 110 on a competitive basis with generic students. The student must also enroll in Nursing 1050.
3. Upon successful completion of Nursing 1060, 2100, and 2110, 14 credit hours in nursing will be awarded for the following nursing courses: 1100 (4 credit hours); 1100 (3 credit hours); 1500 (4 credit hours); 1510 (3 credit hours); Nursing 1060 will substitute for Nursing 1050.
4. The LPN student may enroll in Nursing 1060 only one time.
5. If a grade below a "C" is earned in Nursing 1060, the LPN to ASN student is eligible to enroll in Nursing 1500, 1510 and 1050 on a "space available" basis. If a grade of less than "C" is earned in any of these courses, the student will be dismissed from the College of Nursing and Allied Health.

LPN to BSN (410B)

1. The LPN who has successfully completed a state approved PN/VN program, has worked full-time in nursing practice for one year, and holds a current, unencumbered license to practice as a PN/VN must meet the same admission criteria as the generic student. The student must achieve the minimum required score on the TEAS. The test may be

- repeated only one time. The BSN Program Director will make arrangements for administration of this exam. This student must achieve a Fundamentals Test Score of Level II or higher. The test may be repeated only one time. The Fundamentals Test will be administered in Nursing 3130.
- The LPN to BSN student who fails to achieve the minimum required score on the TEAS will not be admitted to the program (per APDG policy).
 - The LPN to BSN student who fails to achieve a Fundamentals Test Score of Level II or higher on the 2nd attempt may petition to enter Nursing 3040, 3041, 3060 and 3061 on a competitive basis with generic students.
 - The LPN to BSN student who fails to achieve a minimum grade of "C" in Nursing 3030, 3050 and 3060 may repeat the course one time. When repeating Nursing 3060, the co-requisite course, 3061 will, also, be required. A second failure in any course will result in dismissal from the CONAH (per APDG policy).
 - The LPN to BSN student may either take ALHE 1020 or take a credit exam. Successful completion of ALHE 1020 is required prior to entering NURB 3130.
 - The LPN to BSN student who fails to achieve a minimum grade of "C" in Nursing 3130 may repeat the course one time, and must, also enroll in the co-requisite course, Nursing 3141. Failure to achieve a minimum grade of "C" a second time will result in dismissal from the CONAH (per APDG policy).
 - The LPN to BSN student who fails to achieve a minimum grade of "C" in Nursing 3150 or 3160 may repeat the course one time. A second failure will result in dismissal from the CONAH (per APDG policy).
 - The LPN to BSN student who successfully completes Nursing 3030, 3050, 3060, 3150, 3160 and 3130, and achieves a Fundamentals Test Score of Level II or higher (administered in Nursing 3130) will be awarded additional credit for Nursing 2160 (2 hours) Nursing 3061 (2 hours), Nursing 3040 (3 hours), Nursing 3041 (2 hours), and Nursing 3141 (4 hours) for a total of 13 hours.

Bachelor of Science in Nursing (BSN)

Nursing Major Requirements: (64 semester hours) Students seeking a major in Nursing must complete 64 semester hours, within the 120 semester hour Nursing curriculum, which include Nursing 2160, 2170, 3030, 3040, 3041, 3050, 3060, 3061, 3130, 3141, 3150, 3160, 3220, 3221, 3230, 3231, 3240, 3260, 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, and 4240.

Curriculum for the Bachelor of Science in Nursing (410)

FIRST YEAR	SEM. HRS.
Behavioral science ²	3
Biology 2210, 2220-2221, 2230-2231	11
Chemistry 1070	3
Communication 1010	3
English 1010, 1020	6
Mathematics ³	6
Nursing 2160	2
University Studies 1000	1
	35
SECOND YEAR	SEM. HRS.
Allied Health 1020	2
Biology 2240	3
English 2110	3
Nursing 2170 ³ , 3030 ³ , 3040 ³ , 3041 ³ , 3050 ³ , 3060 ³ , 3061 ³	16
Nutrition 1030	3
Social science ⁴	3
	30

THIRD YEAR	SEM. HRS.
Nursing 3130, 3141, 3150,3160, 3220, 3221, 3230, 3231, 3240, 3260	24
Psychology 4400	3
	27
FOURTH YEAR	SEM. HRS.
Fine Arts 1040	3
History ⁵	3
Nursing 4120, 4121, 4130, 4131, 4220, 4221, 4230, 4231, 4240	22
	28

Total Semester Hours for Degree:.....120

Footnotes:

- Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 2100-2110.
 - Selected from Psychology 1010, Psychology 2050, or Sociology 1010.
 - Before entering nursing courses, student must meet all criteria listed in the special admission policies listed in the University Catalog.
 - Selected from Anthropology 1510, Economics 2000, Geography 1010, Political Science 2010, or Philosophy 1010.
 - Selected from History 1010, 1020, 2010, or 2020.
- Note: The Social Science or the Behavioral Science must be at the 2000 level.

Associate of Science in Nursing (ASN)

Curriculum for the Associate of Science in Nursing (400)

FIRST YEAR	SEM. HRS.
Biology 2220-2230	6
Chemistry 1070	3
Communication 1010	3
English 1010, 1020	6
Mathematics ³	6
Nursing 1050 ¹ , 1100 ² , 1110 ²	8
University Studies 1000	1
	33
SECOND YEAR	SEM. HRS.
Biology 2210	3
Nursing 1500, 1510, 2100, 2110	16
Psychology 2050	3
Social Science ⁴	3
	25

THIRD YEAR	SEM. HRS.
(One Semester)	
Fine Arts 1040	3
Nursing 2500, 2510, 2550	11
	14

Total Semester Hours for Degree:.....72

Footnotes:

- Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 2100-2110.
- Nursing 1060 is required for LPN to ASN student in place of Nursing 1050.
- Before enrolling in the clinical sequence of nursing courses, students must meet criteria listed in the Special Admission, Progression, Dismissal and Graduation Policies and be accepted into the clinical sequence.
- Select from Anthropology 1510, Economics 2000, Political Science 2010, Geography 1010, or Philosophy 1010.

Articulation Program for Registered Nurses – RN to BSN Concentration (410A)

The College of Nursing and Allied Health at Northwestern State University offers an individualized plan for learning to assist registered nurses who are pursuing a Bachelor of Science in Nursing.

This individualized plan of learning has been developed to offer flexibility to meet the registered nurse students' needs.

This plan offers the opportunity for the student to complete upper division nursing courses after the completion of general academics. The student has the opportunity to earn credit without enrollment in 31 hours of nursing courses.

Credit in Nursing Courses

Credit in nursing courses is awarded upon satisfactory completion of the following requirements.

1. Graduates in NLNAC accredited programs will be awarded credit in Nursing 2160, 3041, 3130, 3141, 3150, 3220, 3221, 3230, 3231, 4120, 4121, 4130, 4131 following the satisfactory completion of Nursing 4190 and 4191 or 4290 and 4291.
2. Graduates of programs that are not NLNAC accredited will be required to successfully write comprehensive examinations in order to receive credit for Nursing 2160, 3041, 3130, 3141, 3150, 3220, 3221, 3230, 3231, 4120, 4121, 4130, and 4131. Study guides are available for preparation.

Admission Requirements

1. Current unencumbered license to practice nursing in Louisiana and/or the state(s) in which each clinical site is located.
2. Evidence of Personal Professional liability insurance.

Admission Procedure

1. Contact a Non-Traditional Studies in Nursing faculty advisor for initial planning.
2. Submit a completed application of admission to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, LA 71497-0002, before registration. Forms are available in the Nursing Office and online at the NSU website.
3. Submit official transcripts from all colleges attended to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, LA 71497-0002 and to the College of Nursing and Allied Health, 1800 Line Avenue, Shreveport, LA 71101-4663.

Web Based Program

This program allows registered nurse students to complete theory and clinical degree requirements in their own community. All nursing courses and general education courses are offered via the Internet.

Traditional Classroom Option

Nursing and general education classes are taught in Alexandria via the traditional classroom setting. Courses are arranged one day a week for students who prefer face to face classes.

RN to Bachelor of Science in Nursing (BSN)

Nursing Major Requirements: (63 hours). These hours include Nursing 3110, 3122, 3140, 3142, 3223, 3330, 3340, 4190, 4191, 4290 and 4291 in addition to the 31 credit hours awarded for previous education and experience.

Curriculum for the RN to Bachelor of Science in Nursing (410A)

FIRST YEAR	SEM. HRS.
Biology 2210, 2220-2221, 2230-2231	11
Chemistry ¹	3
Communication 1010	3
Elective	3
English 1010, 1020	6
Mathematics ²	6
University Studies 1000	1
	33

SECOND YEAR	SEM. HRS.
Biology 2240	3
Elective	3
English 2110	3
Fine Arts 1040	3
Nursing 2160, 3041, 3130, 3141, 3150	14
Social Science ³	3
	29

THIRD YEAR	SEM. HRS.
Nursing 3110, 3122, 3140, 3220, 3221, 3230, 3231, 4120, 4121, 4130, 4131	26
Psychology 4400	3
	29

FOURTH YEAR	SEM. HRS.
Behavioral science ⁴	3
Humanities ⁵	3
Nursing 3142, 3223, 3330, 3340, 4190, 4191, 4290, 4291	23
	29

Total Semester Hours for Degree: 120

Footnotes:

¹ Selected from Chemistry 1030, 1040, 1070.

² Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 1020-2050, 2100-2110 or Mathematics 1100.

³ Selected from Anthropology 1510, Economics 2000, Political Science 2010, Geography 1010, or Philosophy 1010.

⁴ Selected from Psychology 1010, Psychology 2050, or Sociology 1010.

⁵ Selected from History 1010, 1020, 2010, or 2020.

Note: The Social Science or the Behavioral Science must be at the 2000 level.

Radiologic Sciences

Mission of the Bachelor of Science Program in

Radiologic Sciences

The mission of Northwestern State University Radiologic Sciences program is to provide students with advanced knowledge and skills through guided experiences and clinical practice that culminates in professional radiologic technologists becoming an integral part of the healthcare community and society.

Program Goals

Consistent with the mission statement, the specific goals of the educational program are:

- to provide a base of entry, as a radiologic technologist, within the profession.
- to provide opportunities which will enhance the development of radiographer roles.
- to provide a foundation for advanced study in the radiologic sciences.

Special Admission, Progression, Dismissal and

Graduation Policies

The student who indicated Radiologic Sciences as a major must meet University admission requirements and comply with academic regulations and policies.

The student who has been denied progression in courses or dismissed from another Radiologic Sciences program will be evaluated on an individual basis.

The American Registry of Radiologic Technologists reserves the right to disapprove the writing of the National Registry to persons having been convicted of a felony or misdemeanor.

Individuals who have been arrested, charged with, pled guilty or no contest to, or been sentenced for any criminal offense or misdemeanor in any state must contact the American

Registry of Radiologic Technologists regarding this offense (ARRT-651-687-0048). The final order of the American Registry of Radiologic Technologists will determine the individual's eligibility for consideration for admission to the Radiology courses. The final order is to be included in the Petition to Enroll in Radiology Courses Packet.

American Registry of Radiologic Technologists
1255 Northland Drive
St. Paul, Minnesota 55120-1155

The following statements relating to admission, progression, dismissal and graduation are consistent with policies of the University.

Special Admission Requirements for the University

The prospective student must submit the following materials to arrive at least nine weeks before registration to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, Louisiana 71497-0002.

1. An Application for Admission.
2. Official transcripts from all universities attended. Radiology requires an additional copy to be sent to the Radiologic Sciences Program, College Of Nursing and Allied Health, 1800 Line Avenue, Shreveport, Louisiana 71101-4653.
3. All freshmen and transfer applicants with fewer than three credits in English composition and three credits in college mathematics beyond the developmental level must submit scores from the ACT assessment.

Enrollment in Radiology Courses

Admission to the University does not guarantee enrollment in Radiology courses. Selection for enrollment in Radiology courses is on a competitive basis for available spaces.

Students must meet the following minimum criteria to be considered for selection for enrollment in Radiology courses:

1. Admission to the University and submission of all official transcripts to the Office of Admissions on the Natchitoches campus.
2. A cumulative grade point average of 2.0 or above.
3. A minimum grade of "C" in all required biology, chemistry, mathematics, and allied health science courses.
4. Completion of pre-requisite general academic courses in the first three semesters toward the degree.
5. Minimum grade point average of 2.7 in general academic courses completed that are required for degree excluding electives.
6. Completion of required entrance examinations for Radiology.
7. Completion of Petition to Enroll in Radiology Courses which includes:
 - a. Application to Radiology courses form.
 - b. Copy of scores on required entrance examinations for Radiology.
 - c. Verification of licensure as a health care provider (if applicable).
 - d. Response to any Requests of Waiver of Policy (if applicable).
 - e. Final Order of American Registry or Radiologic Technologists (if applicable).
8. Submission of completed Petition to Enroll in Radiology Courses no later than August 31 for Spring enrollment.

9. Students must have completed all required courses and criteria by the last day of the Northwestern State University semester of requested enrollment. Official transcripts of grades earned from other institutions must be submitted to the Office of Admissions at Northwestern State University by the last day of the NSU semester preceding the date of requested enrollment.
10. A Petition is valid for one semester only.
11. No Petition will be accepted after the designated deadline.

Selection for Enrollment in Radiology Courses

Admission to the University does not guarantee enrollment in Radiology courses. Applicants who submit a completed Petition to Enroll in Radiology Courses will be selected for admission on a competitive basis according to the following variables:

1. Grade point average - general academic courses required for the degree excluding elective hours.
2. Pattern of repeated pre-requisite general academic courses required for the degree.
3. Entrance examination scores.
4. Number of general academic credit hours required for the degree completed at Northwestern.
5. Completion of a baccalaureate of higher degree and/or licensure in the health care system.

Students admitted to the first clinical Radiology course must submit a completed Undergraduate Studies in Radiology Health Form within four weeks following registration. These forms will be mailed to applicants with notification of acceptance for enrollment in Radiology courses. The physical examination and laboratory tests can be conducted no earlier than six weeks prior to registration. Repeat health forms are required every year thereafter.

Criteria for Progression in Undergraduate Studies in Radiology

1. Complete prerequisites and co-requisites for courses outlined in the curriculum pattern.
2. Earn at least a 2.0 GPA on courses outlined in the curriculum pattern.
3. Earn a minimum grade of "C" in all required biology, chemistry, and mathematics courses.
4. Earn a minimum grade of "C" in all required radiology/health science courses before progressing to the next required radiology course(s).
5. A radiology or health science course may be repeated one time only. A maximum of two different radiology/health science courses may be repeated, including those dropped with a grade of "W".

Criteria for Dismissal from Undergraduate Studies in Radiology

A student is subject to dismissal from Undergraduate Studies in Radiology for the following reasons:

1. Failure to achieve at least a "C" when repeating or enrolling for the second time in the same required radiology or health science course.
2. Failure of more than two required radiology or health science courses.
3. The need to repeat/re-enroll in more than two required radiology or health science courses.

4. Participation in academic cheating and/or unauthorized possession of an examination.
5. Plagiarism.
6. Falsification of patient and/or agency records.
7. The unlawful and/or unauthorized use, abuse, possession, distribution, transportation, manufacture, concealment, consumption, promotion or sale of alcohol, illegal drugs, legal drugs obtained illegally, controlled substances, or designer drugs.
8. Illegal possession of weapons.
9. Theft.
10. Lack of professional compatibility or unsafe clinical practice as identified by the Undergraduate Studies in Radiology faculty.

Criteria for Graduation

Criteria for graduation from Undergraduate Studies in Radiology are:

1. Complete the University requirements for graduation.
2. Complete the approved curriculum within a four year period after enrollment in the first clinical radiology course.
3. A minimum grade of "C" in all required biology, chemistry, mathematics, radiology and health science courses.

Requests for Waiver of Policies

1. Forms for Waiver of the Admission, Progression, Dismissal and Graduation Policies should be submitted to:

Northwestern State University
Program Director for Radiologic Sciences
1800 Line Avenue
Shreveport, Louisiana 71101-4653

A committee will review the request for waiver and make recommendations to the Director. The student will receive written notification regarding the decision.

2. Grade Appeal or University Suspension Appeal-refer to University Academic Regulations and Policies in the University Catalog.

Forms pertaining to admission, progression, dismissal, and graduation policies can be obtained from any of the following College of Nursing and Allied Health offices:

Northwestern State University
Radiologic Sciences Program
College of Nursing and Allied Health
Natchitoches, Louisiana 71497-0002
(318) 357-6776

Northwestern State University
Radiologic Sciences Program
College of Nursing and Allied Health
1800 Line Avenue
Shreveport, Louisiana 71101-4653
(318) 677-3015

Criteria for Transfer Students in Radiologic Sciences Courses

Students transferring credit from accredited Radiologic Sciences programs must meet the following criteria:

1. Students must meet all Northwestern State University criteria for admission to the University.
2. Students making application to the program must provide a copy of their official transcript showing all credits earned in Radiologic Sciences, and a copy of their clinical performance evaluations to the Director's office.

Acceptance into the clinical program is contingent on past clinical performance records and not acceptance to Northwestern State University.

3. Students will be admitted to the Radiologic Sciences program on a conditional status for one semester and must complete all assigned competencies (evaluation) in this period.

RT to BSRS Program Degree (615A)

The Radiologic Sciences Program at Northwestern State University offers an individualized plan for learning to assist registered technologists who are pursuing a Bachelor of Science Degree in Radiologic Sciences. This plan offers the opportunity for students to complete Radiologic Sciences courses after completion of general academics. The student has the opportunity to earn credit without enrollment in 43 hours of Radiologic Sciences courses.

Credit in Radiologic Sciences Courses

Credit in Radiologic Sciences courses is awarded after satisfactory completion of the following requirements:

1. Complete general education courses.
2. Complete Radiologic Sciences 3900, 2200, and 4520.
3. Students will receive credit for: Allied Health 1020, Health Education 1010, and Radiologic Sciences 3311, 3310, 3320, 3300, 3811, 3820, 3830, 3920, 3911, 4530, 4510, 4511, and 4620.

Admission Requirements

1. The student must have worked full time for one year prior to application for the clinical portion of the program and be an ARRT registered technologist in Radiography.
2. Upon successful completion of the general education portion of the program, the student may be admitted to the RT to BSRT portion of the program.

Students must meet the published criteria as stated in the current Northwestern State University Catalog to be considered for admission into the RT to BSRT portion of the program.

Admission Procedure

1. Schedule an appointment with a Radiologic Sciences faculty advisor for initial planning. Students should bring a transcript and catalog from their basic program for this appointment.
2. Submit a completed application of admission to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, Louisiana 71497-0002, before registration. Forms are available in the Nursing Office.
3. Submit official transcripts from all colleges attended to the Office of Admissions, Northwestern State University, 444 Caspari Street, Natchitoches, Louisiana 71497-0002.

Radiologic Sciences

Radiologic Sciences Major Requirements: (70 semester hours) Students seeking a major in Radiologic Sciences must complete 70 semester hours, within the 120 semester hour Radiologic Sciences curriculum, which include Radiologic Sciences 2210, 3300, 3310, 3311, 3320, 3811, 3820, 3830, 3910, 3911, 3920, 4510, 4511, 4530, 4610, 4611, 4620, 4710, 4711; Allied Health 1020, 2200, 3840, 4520, 4630.

Curriculum for Radiologic Sciences (615)

FIRST YEAR	SEM. HRS.
Allied Health 1020, 2200	4
Behavioral Science ¹	3
Biology 2220, 2221	4
Chemistry 1070	3
English 1010, 1020	6
Health Education 1010	2
Mathematics ²	6
University Studies 1000	1
	29
SECOND YEAR	SEM. HRS.
Biology 2230-2231	4
Communication 1010	3
English 2110	3
Fine Arts 1040	3
History ³	3
Radiologic Sciences 2210, 3300, 3310, 3311, 3320	15
Social/behavioral science	3
	34
THIRD YEAR	SEM. HRS.
Allied Health 3840, 4520	6
Psychology 4400	3
Radiologic Sciences 3811, 3820, 3830, 3910, 3911, 4511, 4530	23
	32
FOURTH YEAR	SEM. HRS.
Allied Health 4630	3
Radiologic Sciences 3920, 4510, 4610, 4611, 4620, 4710, 4711	22
	25
Total Semester Hours for Degree:	120

Footnotes:

¹ Selected from Psychology 1010, 2050.

² Selected from Mathematics 1020-1060, 1020-1090, 1020-2010, 2100-2110.

³ Refer to University core requirements.

Graduate Programs

Nursing (546)

Graduate Studies and Research in Nursing offers a curriculum leading to the Master of Science in Nursing degree. Learning opportunities are provided for baccalaureate nursing graduates to extend their knowledge and skills in clinical nursing and to develop a functional role in clinical nurse specialist, nursing education, nursing administration, or nurse practitioner in health care delivery systems. The clinical concentrations of study include: Adult-Gerontology Acute Care Nurse Practitioner, Adult Gerontology Nursing, Adult Gerontology Critical Care Nursing, Maternal Child and Family Nursing, Family Nurse Practitioner, Primary Care Pediatric Nurse Practitioner, and Women's Health Nurse Practitioner. Graduate education in nursing builds upon the base of baccalaureate education in nursing and upon experiential professional knowledge, attitudes, and skills, and is concerned with the educational preparation of nurses in advanced roles who can make significant contributions to the improvement of health care and to the advancement of nursing knowledge and practice.

The Master of Science in Nursing program is accredited by the Commission on Collegiate Nursing Education (CCNE), One Dupont Circle, NW, Suite 530, Washington, DC 20036, telephone number 202-887-6791. Advanced Education Nursing Traineeships are usually available as well as research/teaching graduate nursing assistantships. Information can be obtained from the College of Nursing and Allied Health.

Program Requirements

Undergraduate preparation for the major: the Bachelor of Science in Nursing from a nationally accredited program of nursing. Prerequisites for admission: an undergraduate course in basic statistics and physical assessment and evidence of Louisiana Registered Nurse licensure.

Graduate preparation: Completion of the Master of Science in Nursing requires a minimum of 39-42 semester credits. A thesis or research problem and satisfactory ratings on a comprehensive examination are included in the requirements. Full or part-time study is available.

A. Core (12 hours): Nursing 5010, 5100, 5120 and 5280.

B. Area of Clinical Concentration (6 – 9 hours):

1. Adult Gerontology Nursing (546K) - Nursing 5040, 5050, 5700, 5710.
2. Adult Gerontology Critical Care Nursing (546L) - Nursing 5150, 5160, 5700, 5710.
3. Family Nurse Practitioner (546C) - Nursing 5770, 5780, 5790.
4. Maternal Child and Family Nursing (546D) - Nursing 5310, 5320, 5700, 5710.
5. Primary Care Pediatric Nurse Practitioner (546M) - Nursing 5850, 5860, 5870.
6. Women's Health Nurse Practitioner (546H) - Nursing 5330, 5340, 5350.
7. Adult-Gerontology Acute Care Nurse Practitioner (546N) - Nursing 5410, 5420, 5430.

C. Functional Role Concentrations (9-18 hours):

1. Administration (Nursing 5110, 5140, 5210).
2. Clinical Nurse Specialist (Nursing 5700, 5710, 5400, 5170, 5190).
3. Education (Nursing 5060, 5070, 5090, 5220).
4. Nurse Practitioner (Nursing 5260, 5270, 5700, 5710, 5810, 5820, 5830, 5840, and one of the following: 5360 or 5440 or 5800, or 5880).

D. Support Courses (0 – 6 hours):

To be selected from courses which support the student's clinical and/or functional role concentrations.

E. Research Area (3 – 6 hours):

1. Thesis (Nursing 5980), or
- Research Problems (Nursing 5950), or
- Research Seminar (Nursing 5995).

Teledistance Learning Project

The Master of Science in Nursing program is also offered at selected locations through the Teledistance Learning Program. This program allows the student to complete some courses in their own community. Limited courses may be offered via Internet.

Radiologic Sciences (549)

The Radiologic Sciences Program at Northwestern State University provides a specialized program of study that will prepare baccalaureate radiologic sciences professionals to become leaders in the radiologic sciences. The MSRS program offers two concentrations in the areas of radiologic sciences education and administration. The program allows radiologic sciences professionals to earn a graduate degree in their discipline and to develop skills that will assist with career advancement within radiologic sciences education and administration.

Program Requirements

Entry into the program requires a bachelor's degree. Students must hold credentials in one of the medical imaging modalities or radiation therapy. Students must have completed an undergraduate statistics or research course.

Completion of the Master of Science in Radiologic Sciences requires a minimum of 39 semester credits. Students must satisfactorily complete an applied research course or thesis and receive a passing score on a comprehensive examination to obtain the degree.

- **Research (9-12 hours):**

- RADS 5010 – Research I
 - RADS 5110 – Research II
 - RADS 5910 – Applied Research or
 - RADS 5980 – Thesis

- **Radiologic Sciences Core (12 hours):**

- RADS 5020 – Current Issues in Radiologic Sciences
 - RADS 5030 – Legal & Regulatory Issues in Radiologic Sciences
 - NURG 5110 – Leadership in Healthcare
 - RADS 5123 – Graduate Seminar in Radiologic Sciences

- **Concentrations (15 hours):**

1. **Radiologic Sciences Administration Concentration (549A):**

- RADS 5310 – Operations and Resource Management in Radiologic Sciences
 - RADS 5320 – Fiscal Management in Radiologic Sciences
 - RADS 5330 – Information Management in Radiologic Sciences
 - RADS 5530 – Radiologic Sciences Administration Practicum

2. **Radiologic Sciences Education Concentration (549B):**

- RADS 5210 – Curriculum Development & Teaching Methods in Radiologic Sciences
 - RADS 5220 – Assessment in Radiologic Sciences Education
 - RADS 5230 – Radiologic Sciences Student Management
 - RADS 5510 – Didactic Radiologic Sciences Practicum
 - RADS 5520 – Clinical Radiologic Sciences Practicum

- **Electives (0-3 hours):**

- RADS 5080 – Independent Study
 - RADS 5410 – Special Topics in Radiologic Sciences Education
 - RADS 5420 – Special Topics in Radiologic Sciences Administration

Other electives may be allowed with prior approval of the student's major professor.

COLLEGE OF SCIENCE, TECHNOLOGY, AND BUSINESS

Room 201, Russell Hall
318-357-6699
sciencetech@nsula.edu

Dean: Austin Temple, *Professor*

Mission of the College of Science, Technology, and Business

The mission of the College of Science, Technology, and Business parallels the mission of the University. The College of Science, Technology, and Business is committed to maintaining quality undergraduate and graduate curricula. Course offerings in the sciences and technologies are designed to satisfy the requirements of the offered curricula, of the core curriculum, and of special requirements from other curricula and programs.

Excellence in teaching is the lofty goal of each faculty member in the College of Science, Technology, and Business. Research and scholarly activities are encouraged as a means of enhancing teaching and keeping curricula and course offerings fresh and current. Faculty recognize the importance of the interaction between themselves and the students as a vital link in the learning process.

The sphere of influence of the College of Science, Technology, and Business reaches far beyond the University. Faculty provide consultation services to regional industry, participate in community service activities, and generate research that will benefit economic development and quality of life in the region.

School/Departments Within the College of Science, Technology, and Business

School of Business

Department of Biological and Physical Sciences

Department of Family and Consumer Sciences

Department of Mathematics and Engineering Technology

Department of Military Science

Degree Programs Available Through the College of Science, Technology, and Business

Associate Degree program in: Veterinary Technology

Bachelor of Science programs in: Accounting; Biology, with concentrations in: bioinformatics, biomedical, clinical laboratory science, forensic science, natural science, veterinary technology; Business Administration, with concentrations in: finance, management, and marketing; Computer Information Systems; Electronics Engineering Technology, with concentrations in: biomedical and electronics; Family and Consumer Sciences, with concentrations in: child development and family relations; consumer services; Hospitality Management and Tourism, with concentrations in: culinary arts, hospitality services, travel and tourism; Industrial Engineering Technology; Mathematics with concentration in: healthcare informatics; Physical Sciences

Pre-Professional Programs

Pre-Cardiopulmonary Science

Pre-Engineering

Pre-Medicine/Dentistry

Pre-Occupational Therapy

Pre-Optometry

Pre-Pharmacy

Pre-Physical Therapy

Pre-Physician Assistant

Pre-Veterinary Medicine

SCHOOL OF BUSINESS

Room 211, Russell Hall
318-357-5161
business@nsula.edu

Director: Margaret Kilcoyne, *Professor*

Coordinator of Computer Information Systems: Jack Russell, *Professor*

Professor Emeritus: Tommy Johnson

Professors: Briscoe, T. Hanson, M. Jones, Schaub, Short, Williams

Associate Professors: Cooley, B. Hanson, C. Jones, McDonald, Swanstrom, A. Tarver

Assistant Professor: Perez-Mira, Thompson, Wisinger

Visiting Assistant Professor: Turner

Instructors: Aldredge, Champion, Foote, Fountain, Gardiner, Habis, B. Russell, M. Tarver, Vienne, Wright

Mission of the School of Business

The mission of the School of Business is to provide students with a business education that prepares them for successful careers and responsible citizenship roles in the world of business.

Degree Programs Available Through the School of Business

Bachelor of Science programs in: Accounting; Business Administration with concentrations in: finance, management, and marketing; Computer Information Systems

Accreditation

All baccalaureate programs are accredited by The Association to Advance Collegiate Schools of Business International (AACSB) – The International Association for Management Education, 777 South Harbour Island Boulevard, Suite 750 Tampa, FL 33602-5730, telephone: (813) 769-6500, <http://www.aacsb.edu>.

Entrance Requirements for Four-Year Programs

To be admitted to a four-year program in the School of Business, a student must complete all courses listed in the first year of the curriculum with a grade point average of at least 2.0. In addition, a student must demonstrate computer literacy. Computer literacy may be demonstrated by completing BUAD 1800, or successful completion of a challenge exam. No 3000 or 4000 level courses in the School of Business may be taken by business majors until these requirements are met. At least 50% of business credit hours required for baccalaureate degrees in the School of Business must be earned at Northwestern State University.

Criteria for Progression in the Bachelor Degree Programs:

- (1) Complete pre- and co-requisites for courses included in the degree programs; and
- (2) Earn a cumulative grade point average of 2.0 or above.

Accounting

Accounting Major Requirements: (72 semester hours)
Students seeking a major in Accounting must complete 72 semester hours, within the 120 semester hour Accounting curriculum, which include Accounting 1040, 2000, 2010, 3060,

3080, 3180, 3190, 3200, 4020, 4080, six semester hours of advanced accounting electives; Business Administration 2120, 2200, 3250, 3260, 3270; Computer Information Systems 2000, 3100; Management 3220, 3580, 4300; Marketing 3230; Finance 3090.

Accounting Minor Requirements: (18 semester hours)
Accounting 1040, 2000, 2010, 3080, 3180, three semester hours of advanced accounting electives.

Curriculum for Accounting (101)

FIRST YEAR	SEM. HRS.
Accounting 1040	3
Business Administration 1800	3
Communication 1010	3
Computer Information Systems 2000	3
English 1010, 1020	6
Mathematics 1020, 1060	6
Natural Science ¹	3
University Studies 1000	1
Psychology 1010	3
	31

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Business Administration 2120, 2200	6
Economics 2000, 2010	6
Fine Arts 1040	3
History 1010, 1020, 2010, or 2020	3
Natural Science ¹	6
	30

THIRD YEAR	SEM. HRS.
Accounting 3080, 3180, 3190	9
Business Administration 3250	3
Computer Information Systems 3100	3
English 2110	3
Finance 3090	3
Management 3220, 3580	6
Marketing 3230	3
	30

FOURTH YEAR	SEM. HRS.
Academic electives ²	2
Accounting 3060, 3200, 4020, 4080	12
Advanced Accounting electives	6
Business Administration 3260, 3270	6
Management 4300	3
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ Refer to University core requirements.

² Excludes all courses offered in the School of Business. Must be academic elective.

Business Administration

Business Administration Major Requirements: (69 semester hours) Students seeking a major in Business Administration must complete 69 semester hours, within the 120 semester hour Business Administration curriculum, which include Accounting 2000, 2010; Business Administration 2120, 2200, 3250, 3270; Computer Information Systems 2000, 3100; Finance 2150, 3090, 4200; Management 3220, 3580, 4300; Marketing 3230; six semester hours of business electives; 18 semester hours of advanced business electives.

Business Administration Minor Requirements: (non-business majors) (21 semester hours) Accounting 2000, 2010; Management 3220; Marketing 3230; Economics 2000, 2010; three hours of advanced business electives.

Available Concentrations:

Finance (110I): (21 semester hours) Finance 2150, 3090, 3100, 4200, 9 hours of advanced finance electives.

Management (110J): (24 semester hours) Management 3220; 21 hours of advanced management electives.

Marketing (110K): (21 semester hours) Marketing 3230; 18 hours of advanced marketing electives.

Pre-Law students should ensure that English 3200, 3210 or 3230; Philosophy 2030; three hours of political science, and three hours of history are included in their program. (See the Pre-Law advisor)

Curriculum for Business Administration (110)

FIRST YEAR	SEM. HRS.
Business Administration 1800	3
Computer Information Systems 2000	3
English 1010, 1020	6
Fine Arts 1040	3
History 1010, 1020, 2010, or 2020	3
Mathematics 1020, 1060	6
Natural Science ¹	6
University Studies 1000	1
	31

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Business Administration 2120, 2200	6
Communication 1010	3
Economics 2000, 2010	6
English 2110	3
Finance 2150	3
Psychology 1010	3
	30

THIRD YEAR	SEM. HRS.
Business Administration 3250, 3270	6
Business elective ²	3
Computer Information Systems 3100	3
Elective-Academic ³	3
Finance 3090, 4200	6
Management 3220	3
Marketing 3230	3
Natural Science ¹	3
	30

FOURTH YEAR	SEM. HRS.
Advanced business electives ⁴	18
Business elective ²	3
Electives-Academic ³	2
Management 3580, 4300	6
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ Refer to University core requirements.

² A business elective is any course in business administration, accounting, finance, management, marketing, or computer information systems.

³ Excludes all courses offered in the School of Business.

⁴ An advanced business elective is any 3000 or 4000 level business administration, accounting, finance, management, marketing, or computer information systems class.

Computer Information Systems

Computer Information Systems Major Requirements: (69 semester hours) Students seeking a major in Computer Information Systems must complete 69 semester hours, within the 120 semester hour Computer Information Systems curriculum consisting of a CIS core composed of: CIS 1030, 2020, 2100, 2980, 3000, 3020, 3300, 3400, 3900, 4000, 4020, 4600 and 1 CIS course from CIS 3980, 4030, 4040, 4050, 4100, 4200, 4220, 4300, 4400, 4700. Additionally, the following Business courses are required: ACCT 2000, ACCT 2010, BUAD 2120, BUAD 2200, BUAD 3270, BUAD 3280, FIN 3090, MGT 3220, MGT 3580, and MKTG 3230.

Computer Information Systems Minor Requirements: Select one from CIS 1010, CIS 1030, CSC 1060; select one from CIS 2070, CIS 2980; select four from CIS 1090, CIS 2000, CIS 2050, CIS 2100, CIS 3020, CIS 3050, CIS 3070, CIS 3100, CIS 3400, CIS 3980, CIS 4030, CIS 4040, CIS 4050, CIS 4220, ART 1010, ART 2560.

Curriculum for Computer Information Systems (102)

FIRST YEAR	SEM. HRS.
Business Administration 1800	3
Communication 1010	3
Computer Information Systems 1030, 2000	6
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020, 1060	6
Natural Science ¹	3
University Studies 1000	1
	31

SECOND YEAR	SEM. HRS.
Accounting 2000, 2010	6
Business Administration 2120	3
Computer Information Systems 2020, 2100, 2980, 3000	12
Economics 2000, 2010	6
Psychology 1010	3
	30

THIRD YEAR	SEM. HRS.
Business Administration 2200, 3280	6
Computer Information Systems 3300, 3400, 4020	9
English 2110	3
History ²	3
Management 3220	3
Natural Sciences ¹	6
	30

FOURTH YEAR	SEM. HRS.
Academic Electives ³	2
Business Administration 3270	3
Computer Information Systems 3020, 3900, 4000, 4600	12
Computer Information Systems elective	3
Finance 3090	3
Marketing 3230	3
Management 3580	3
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ See University Core, Natural Science Component.

² See University Core, Humanities Component: History.

³ May not be a CIS course.

DEPARTMENT OF BIOLOGICAL AND PHYSICAL SCIENCES

Room 112, Bienvenu Hall

318-357-5323

bio_sci@nsula.edu

Department Head: Zafer Hatahet, *Professor*

Professors Emeriti: Jerry L. Allen, Thomas A. Burns, Edward W. Graham, H. Wayne Hyde, Dick T. Stalling, Kenneth L. Williams

Professors: Akin, Gabrey, Land, Sticker, B. Woodard

Associate Professors: Darvish, Lemoine, Marshall, Pace

Assistant Professors: Burks, Byrd, Chin, Goleman, Joubert

Instructors: Handawela, Hogan, Mangrum, C. McMullen, R. McMullen

Degree Programs Available Through the Department of Biological and Physical Sciences:

Bachelor of Science programs in: Biology with concentrations in: bioinformatics, biomedical, clinical laboratory science, forensic science, natural science, veterinary technology; Physical Sciences

Associate Degree program in: Veterinary Technology

Pre-professional Programs:

Pre-Cardiopulmonary Science; Pre-Medicine; Pre-Dentistry; Pre-Occupational Therapy; Pre-Optometry; Pre-Pharmacy; Pre-Physical Therapy; Pre-Physician Assistant; Pre-Veterinary Medicine

Biology

The NSU Department of Biological and Physical Sciences recognizes the recent explosion of information in the life sciences and the wide variety of current occupations that are dependent on this wealth of information. In response, the Department offers a choice of six concentrations (Bioinformatics, Biomedical, Clinical Laboratory Science, Forensic Science, Natural Science, and Veterinary Technology) in conjunction with a common biology core. Each concentration allows students with different interests to obtain the proper training necessary to pursue their specific career objectives.

Biology Major Requirements: (56 semester hours for 618 M, N, R, S and T; 70 semester hours for 618V). Students seeking a major in Biology must complete the following:

- **Biology core:** 13 semester hours of Biology 1010-1011, 1020-1021, 2020-2021, and either 4900 or 4910.
- **Concentration-dependent courses:** 32-57 semester hours in one of six available concentrations (see specific concentration for semester hour requirement).
- **Biology electives:** 618 M, N, and R must take 11 semester hours; 618T must take 9 semester hours of any Biology course or Nutrition 1030, to give students the opportunity to explore subjects outside of their concentration. 618S students must select 12 semester hours from BIOL 3250-3251, 3280, 4310-4311, 4320, 4350-4351, 4610, 4620, or 4940; CSC 3050; MATH 3090, 3150, or 3160; STAT 4060, or 4270. 618V students are not required to take biology electives.

Biology Minor Requirements: (21 semester hours) BIOL 1010-1011, 1020-1021; 7 semester hours of any BIOL course at the 2000 level or above; 6 BIOL hours at the 4000 level.

Microbiology Minor Requirements: (22 semester hours) BIOL 2060-2061; 18 semester hours selected from BIOL 2200-2201, 3090-3091, 3290, 4120-4121, 4190-4191, 4210-4211, 4270, 4900, and 4940.

Wildlife Management Minor Requirements: (22 semester hours) BIOL 2120-2121 or GEOG 2010; BIOL 2140-2141, 2290, 3220-3221, 4900, 4960; and three semester hours selected from BIOL 2180, 2150-2151; three semester hours selected from BIOL 3040-3041, 3340, 3341, 4040-4041, 4170-4171, or 4180-4181.

Available Concentrations: (618M and 618R, 32 semester hours; 618N and 618S, 31 semester hours; 618T, 34 semester hours; and 618V, 57 semester hours)

Bioinformatics (618S): Take BIOL 3060-3061, 3270-3271, 3600-3601, 4300-4301, and 4600; CSC 1060, 2030, 2060, and 3060.

Biomedical (618M): Select from BIOL 1060, 2060-2061, 2080-2081, 2200-2201, 3060, 3170-3171, 3250-3251, 3270-3271, 3280, 3290, 3310-3311, 3320-3321, 4120-4121, 4160-4161, 4190-4191, 4220-4221, 4270, 4300-4301, 4310-4311, 4320, 4350-4351, or 4360-4361.

Clinical Laboratory Science (618T): This concentration requires acceptance into an affiliated training program approved by the Council on Allied Health Education and Accreditation. Enrollment in this concentration does not guarantee acceptance into the training program. You must take BIOL 4190-4191, 4730, 4740, 4750, 4760, 4770, 4780 and 4790.

Forensic Science (618R): Select 16 semester hours from BIOL 2070-2071, 3060-3061, 3500-3501, 3270-3271, 3310-3311, 3320-3321, 4300-4301, and 4160-4161, 4350-4351, and 4360-4361. Select 16 semester hours from CJ 1100, 2300, 2600, 3360, 4000, 4450, 4460 and 4470.

Natural Science (618N): Select from BIOL 2030-2031, 2050-2051, 2080-2081, 2100-2101, 2120-2121, 2140-2141, 2150-2151, 2180, 2290, 3010-3011, 3040-3041, 3060, 3140-3141, 3220-3221, 3280, 3340-3341, 4040-4041, 4170-4171, 4180-4181, 4200-4201, 4220-4221, 4400-4401, or 4960.

Veterinary Technology (618V): Take VTEC 1010-1011, 1020, 1030-1031, 2060, 2090-2091, 2600, 2900, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090, 4200 and 4900.

[†]Students entering the Veterinary Technology concentration are strongly advised to receive rabies prophylaxis immunization prior to enrolling in Veterinary Technology courses, as many laboratories involve working directly with live animals. Students electing not to receive immunization must sign a "Statement of Release". A student enrolled in Veterinary Technology courses should meet with the Director of the Veterinary Technology at first knowledge of pregnancy to discuss specific risks, and complete a "Statement of Release" if she wishes to remain enrolled.

^{††}Students entering the Veterinary Technology concentration must meet the essential skills and technical standards to perform functions required as an AVMA accredited program and the profession. A student with concerns about meeting these standards should visit with the Program Director to review the published guidelines for skills/standards.

Curriculum for Biology (618)¹

FIRST YEAR	SEM. HRS.
Biology ² 1010-1011, 1020-1021	8
English 1010, 1020	6
Humanities ³	3
Mathematics ⁴	6
University Studies 1000	1
Social/behavioral Sciences ⁵	3
	27

SECOND YEAR	SEM. HRS.
Biology 2020-2021 ²	4
Chemistry 1030-1031, 1040-1041	8
Concentration-dependent courses ^{2,5}	8
Humanities ³	3
Mathematics ⁴	3
Social/behavioral Sciences ⁵	3
	29

THIRD YEAR	SEM. HRS.
Biology electives	7
Concentration-dependent courses ^{2,5}	12-19
Fine Arts 1040	3
Humanities ³	3
General Electives ^{6,7}	0-7
	32

FOURTH YEAR	SEM. HRS.
Biology 4900 or 4910 ²	1
Biology electives	4
Concentration-dependent courses ^{2,5}	12-27
General Electives ^{6,7}	0-15
	32
Total Semester Hours for Degree:	120

Footnotes:

¹ This curriculum is sufficient to earn a B.S. degree in biology. Refer to Pre-Professional programs for additional requirements.

² Student majoring in Biology must earn a grade of C or better in all BIOL core and concentration-dependent courses.

³ Refer to University core requirements.

⁴ Selected from one of the following sequences: MATH 1020, 1060, 2010; 1020, 1090, 2010; or 2100, 2110. 618S concentration requires MATH 2100 and 2110.

⁵ Refer to the different biology concentrations requirements.

⁶ Any academic course is acceptable; but no more than six semester hours may be taken at the 1000 level.

⁷ General elective courses should be taken to complete a total of 120 credit hours for the degree. The number of general elective courses required will vary with the concentration selected.

Physical Sciences

Physical Sciences Major Requirements: (42 semester hours)

Students seeking a major in Physical Sciences must complete 42 semester hours, within the 120 semester hour Physical Sciences curriculum, which include Chemistry 1030, 1040, 1031, 1041; Physics 1120, 2510-2511, 2520-2521 and 21 semester hours of chemistry, mathematics, or physics electives chosen from 3000-4000 level courses.

Physical Sciences Minor Requirements: (21 semester hours)

Chemistry 1030, 1040, 1031, 1041; Physics 2510-2511, 2520-2521; 3 semester hours of chemistry or physics electives.

Curriculum for Physical Sciences (637)

FIRST YEAR	SEM. HRS.
Chemistry 1030, 1040, 1031, 1041	8
Communication 1010	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 2100 ¹ , 2110	10
University Studies 1000	1
	31

SECOND YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
English 2110	3
History 1010, 1020, 2010 or 2020	3
Mathematics 3130, 3160	6
Physics 2510-2511, 2520-2521	10
	30

THIRD YEAR	SEM. HRS.
Behavioral Science ³	3
Electives	9
Mathematics 3140	3
Physical science electives ²	12
Physics 1120	3
	30

FOURTH YEAR	SEM. HRS.
Physical science electives ²	9
Electives	17
Social science ³	3
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ Students deficient in mathematics should take mathematics 1020 and 1090, or 1100 before 2100.

² To be selected from upper-level (3000-4000 level) courses in chemistry, mathematics or physics.

³ Must meet University core requirements.

Pre-Professional Programs

Pre-Cardiopulmonary Science

Curriculum for Pre-Cardiopulmonary Science (618J)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
English 1010, 1020	6
Fine Arts 1040	3
Humanities ²	9
Mathematics 1020, 1090	6
	32

SECOND YEAR	SEM. HRS.
Biology 2060-2061, 3310-3311, 3320-3321	12
Chemistry 1030-1031, 1040-1041	8
Physics 2030-2031	4
Psychology 1010	3
Sociology 1010	3
	30

Footnotes:

¹ This curriculum meets the current requirements for entrance into the Cardiopulmonary Science program at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.

² Recommended humanities include English Literature (ENGL 2110), Technical Writing (ENGL 3230), Advanced Composition (ENGL 3210), Foreign Language, History, Communications, or Philosophy.

Pre-Medicine or Pre-Dentistry

Curriculum for Pre-Medicine or Pre-Dentistry (618F)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030-1031, 1040-1041	8
English 1010, 1020 ²	6
Humanities ³	3
Mathematics 1020, 1090	6
	31

SECOND YEAR	SEM. HRS.
Biomedical concentration courses ⁴	10
Chemistry 3010-3011, 3020-3021	10
Mathematics 2010	3
Physics 2030-2031, 2040-2041	8
	31

THIRD YEAR	SEM. HRS.
Biomedical concentration courses ⁴	16
Humanities ³	6
Social/behavioral sciences ⁴	6
	28

Footnotes:

¹ This curriculum meets the current requirements for entrance into the LSU School of Medicine at New Orleans and at Shreveport, and the LSU School of Dentistry. Requirements may vary at other universities.

- ² LSU School of Dentistry requires 9 hours of English; select an additional three hours from ENGL 2110, 3210 or 3230.
- ³ Recommended courses include ENGL 2110, 3230 or 3210, History, or COMM 1010.
- ⁴ Recommended courses include BIOL 2060-2061, 3060, 3170-3171, 3270-3271, 3290, 3310-3311, 3320-3321, 4300-4301, and 4350-4351 (strongly recommended).
- ⁵ Recommended courses include Economics, Psychology, or Sociology.

Pre-Occupational Therapy

Curriculum for Pre-Occupational Therapy (618K)¹

FIRST YEAR	SEM. HRS.
Biology ² 1010-1011, 1020-1021	8
English 1010, 1020	6
Humanities ³	3
General electives ⁴	3
Mathematics 1020, 1090	6
University Studies 1000	1
Sociology 1010	3
	30
SECOND YEAR	SEM. HRS.
Biology ² 2020-2021	4
Biology electives ⁵	3
Chemistry ² 1030-1031, 1040-1041	8
Concentration-dependent courses ^{2,5}	8
Humanities ³	3
Mathematics 2010	3
Psychology 2050 ²	3
	32
THIRD YEAR	SEM. HRS.
Biology ² 3060, 3310-3311, 3320-3321	11
Biology electives ⁵	3
Concentration-dependent courses ^{2,5}	3
Fine Arts 1040	3
Human Performance 3550 ²	3
Humanities ³	3
Physics ² 2030-2031	4
	30
FOURTH YEAR	SEM. HRS.
Biology ² 4900 or 4910	1
Biology electives ⁵	5
Concentration-dependent courses ^{6,7}	10
General electives ⁵	6
Psychology 4450 ²	3
Social Science	3
	28

Footnotes:

- ¹ This curriculum meets the current requirements for entrance into the Master of Occupational Therapy at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.
- ² Students must earn a grade of C or better in these courses.
- ³ Refer to university core requirements.
- ⁴ Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.
- ⁵ Refer to biology degree requirements.

Pre-Optometry

Curriculum for Pre-Optometry (618H)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030-1031, 1040-1041	8
English 1010, 1020	6
General Electives ²	3
Mathematics 1020, 1090	6
	31
SECOND YEAR	SEM. HRS.
Biology 2060-2061, 3060	7
Chemistry 3010-3011	5
General Electives ²	3
Mathematics 2010	3
Physics 2030-2031, 2040-2041	8
Psychology 1010	3
	29

THIRD YEAR	SEM. HRS.
Biology 3310-3311, 3320-3321, 4350-4351 ¹	12
Biology 3310-3311, 3320-3321, 4350-4351 ¹	12
General Electives ²	18
	30

Footnotes:

- ¹ This curriculum meets the current admission requirements of 90 semester hours published by the Association of Schools and Colleges of Optometry. Since requirements vary slightly between schools, students are encouraged to contact the program(s) of their interest for specific requirements. In particular, students interested in the University of Houston College of Optometry should note the requirement of a bachelor's degree prior to admission into their Doctor of Optometry program.
- ² Recommended Electives include History and other Humanities, Speech, and Social Sciences.
- ³ These courses are strongly recommended. Biochemistry (BIOL 4350-4351) may substitute for one semester of organic chemistry (CHEM 3020-3021).

Pre-Pharmacy

Curriculum for Pre-Pharmacy (618I)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030-1031, 1040-1041	8
English 1010, 1020	6
Health Education 1010	2
Mathematics 1020, 1090	6
	30
SECOND YEAR	SEM. HRS.
Biology 2060-2061, 3310-3311, 3320-3321	12
Chemistry 3010-3011, 3020-3021	10
Communication 1010	3
	25
THIRD YEAR	SEM. HRS.
Biology 3250-3251, 3270-3271, 4350	11
Economics 2000 or 2010	3
Mathematics 2100	5
Physics 2030-2031	4
	23
FOURTH YEAR	SEM. HRS.
Biology 3290	3
English 3230	3
Statistics ²	3
	9

Footnotes:

- ¹ This curriculum meets the current admission requirements of the University of Louisiana at Monroe School of Pharmacy. Requirements may vary at other universities.
- ² Choose from Biology 3060, Mathematics 2050, or Psychology 4400.

Pre-Physical Therapy

Curriculum for Pre-Physical Therapy (618L)¹

FIRST YEAR	SEM. HRS.
Biology ² 1010-1011, 1020-1021	8
English ² 1010, 1020	6
Communications 1010 ²	3
General electives ³	3
Mathematics ² 1020, 1090	6
University Studies 1000	1
Social science ⁴	3
	30
SECOND YEAR	SEM. HRS.
Biology ² 2020-2021	4
Biology electives ⁵	3
Chemistry ² 1030-1031, 1040-1041	8
Concentration-dependent courses ^{2,5,6}	8
Humanities ³	3
Mathematics 2010	3
Psychology 2050 ²	3
	32

THIRD YEAR	SEM. HRS.
Biology ² 3060, 3310-3311, 3320-3321	11
Biology electives ³	3
Concentration-dependent courses ^{2,5,6}	3
Fine Arts 1040	3
Humanities ³	3
Physics ² 2030-2031, 2040-2041	8
	31
FOURTH YEAR	SEM. HRS.
Biology ² 4900 or 4910	1
Biology electives ³	5
Concentration-dependent courses ^{2,5,6}	10
English ² 3210 or 3230	3
General electives ⁴	5
Psychology ² 4450	3
	27

Footnotes:

¹ This curriculum meets the current requirements for entrance into the Doctor of Physical Therapy at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.

² Students must earn a grade of C or better in these courses.

³ Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.

⁴ Refer to university core requirements.

⁵ Refer to biology degree requirements.

⁶ Recommended courses include BIOL2060-2061, 3170-3170 and 3250-3251.

Pre-Physician Assistant

Curriculum for Pre-Physician Assistant (618P)¹

FIRST YEAR	SEM. HRS.
Biology ² 1010-1011, 1020-1021	8
English 1010, 1020	6
Humanities ³	3
General electives ⁴	3
Mathematics ³	6
University Studies 1000	1
Social/behavioral sciences ³	3
	30
SECOND YEAR	SEM. HRS.
Biology ² 2020-2021, 2060-2061, 3060	11
Chemistry ² 1030-1031, 1040-1041	8
Humanities ³	3
Mathematics ⁴	3
Social/behavioral sciences ²	3
	28
THIRD YEAR	SEM. HRS.
Biology ² 1060, 3310-3311, 3320-3321	11
Biology electives	7
Fine Arts 1040	3
Humanities ³	3
General electives ⁴	6
	30
FOURTH YEAR	SEM. HRS.
Biology ² 4900 or 4910	1
Biology electives ⁴	4
Biomedical concentration courses ^{2,6,7}	14
General electives ⁴	13
	32

Footnotes:

¹ This curriculum meets the current requirements for entrance into the Master of Physician Assistant Studies at the Louisiana State University Health Sciences Center at New Orleans and at Shreveport. Requirements may vary at other universities.

² Students must earn a grade of C or better in these courses.

³ Refer to university core requirements.

⁴ Any academic course is acceptable, but no more than six semester hours may be taken at the 1000 level.

⁵ Selected from one of the following sequences: MATH1020, 1060, 2010; 1020, 1090, 2010; or 2100, 2110.

⁶ Refer to biology degree requirements.

⁷ A minimum of eight hours must be at the 3000 or 4000 level. Strongly recommended courses include BIOL3270, 4190-4191, 4270, and 4350-4351.

Pre-Veterinary Medicine

Curriculum for Pre-Veterinary Medicine (618C)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021	8
Chemistry 1030, 1040, 1031, 1041	8
Communication 1010	3
Elective ¹	3
English 1010, 1020	6
Mathematics 1020, 1090	6
University Studies 1000	1
	35
SECOND YEAR	SEM. HRS.
Biology 2060-2061, 4350	7
Chemistry 3010-3011	5
Electives ¹	13
Physics 2030-2031, 2040-2041	8
Veterinary Technology 1020	2
	35

Footnote:

¹ This curriculum comprises those courses required by the School of Veterinary Medicine at Louisiana State University. Students interested in applying to veterinary school may choose courses from elective requirements that will apply towards a terminal undergraduate degree (i.e., bachelor's degree in biology or mathematics; associate degree in veterinary technology).

NOTE: All correspondence involving veterinary medical education and requests for applications for admission to the school should be addressed to the Dean, School of Veterinary Medicine, Louisiana State University, Baton Rouge, Louisiana 70803 or contact the Pre-Veterinary advisor at NSU. Formal application and all required credentials must be submitted by October 1 prior to the year admission is sought.

Associate Degree

Veterinary Technology

The Veterinary Technology Program is fully accredited by the American Veterinary Medical Association, Division of Scientific Activities, 1931 North Meacham Road, Suite 100, Schaumburg, Illinois 60173-4630.

Curriculum for Veterinary Technology (725)¹

FIRST YEAR	SEM. HRS.
Biology 1010-1011, 1020-1021, 2040	11
English 1010, 1020	6
Fine Arts 1040	3
Mathematics 1020	3
University Studies 1000	1
Psychology 1010	3
Veterinary Technology ³ 1010-1011, 1020, 1030-1031, 2060	9
	36
SECOND YEAR	SEM. HRS.
Humanities ²	3
Social/behavioral science ² (at sophomore level)	3
Veterinary Technology ³ 2090-2091, 2600, 3010, 3100-3101, 3190-3191, 3200-3201, 3700-3701, 4090	27
	33
THIRD YEAR	SEM. HRS.
Veterinary Technology 2900 ⁴	12
	12

Total Semester Hours for Degree: 81

Footnotes:

¹ Students majoring in Veterinary Technology must have completed Veterinary Technology 3190-3191, 3200-3201 within one calendar year prior to registering for Veterinary Technology 2900 (Internship).

² Refer to University core requirements.

³ Veterinary technology courses are offered only once each calendar year.

⁴ All other courses required for a degree in Veterinary Technology must have been successfully completed prior to registration in Veterinary Technology 2900.

NOTES:

• All students majoring in Veterinary Technology will require a grade of C or better in each course entitled Veterinary Technology.

- Students entering the Veterinary Technology curriculum are strongly encouraged to receive rabies prophylaxis immunization prior to enrolling in Veterinary Technology courses, as many laboratories involve working directly with live animals. Students electing not to receive immunization must sign a "Statement of Release."
- A student enrolled in Veterinary Technology courses must meet with the Director of Veterinary Technology at first knowledge of pregnancy to discuss specific risks, and complete a "Statement of Release" if she wishes to remain enrolled.
- Students entering the Veterinary Technology concentration must meet the essential skills and technical standards to perform functions required as an AVMA accredited program and the profession. A student with concerns about meeting these standards should visit with the Program Director to review the published guidelines for skills/standards.

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

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Department Head: Patricia N. Pierson, *Professor*

Professor: Woods
Associate Professor: Brunson
Assistant Professors: Jones, McBride
Instructor: Weaver

Mission of the Department of Family and Consumer Sciences

The Department of Family and Consumer Sciences at Northwestern State University of Louisiana is dedicated to the overall mission of empowering and strengthening individuals, families, and communities, thereby improving quality of life. Family and Consumer Sciences use an integrative approach to the relationships among individuals, families, and communities, and the environments in which they function.

The Unit strives to prepare individuals for careers by building upon the arts, sciences, and humanities. Appreciating the historical and philosophical foundations of the profession, the Unit incorporates technology, respect for diversity, and a global perspective into its curricula. Quality instruction in a student-oriented environment, development of programs and faculty, and a commitment to the sustainability of economic, social, and cultural resources within the community are broad areas of focus. Operating within the broader mission of the University, the Department of Family Consumer Sciences prepares students for enhanced personal and professional lives through instruction and professional memberships. Supervised laboratory, service, and field experiences prepare individuals for diverse relationships and productive careers.

Degree Programs Available Through the Department of Family and Consumer Sciences:

Bachelor of Science programs in: Family and Consumer Sciences with concentrations in: child development and family relations, and consumer services; Hospitality Management and Tourism with concentrations in: culinary arts, hospitality services, and travel & tourism

All degree programs in Family and Consumer Sciences are accredited by the American Association of Family and Consumer Sciences, 400 N. Columbus Street, Alexandria, Virginia 22314-2752, telephone number (703) 706-4600.

Family and Consumer Sciences

Family and Consumer Sciences Major Requirements: (59 semester hours) Students seeking a major in Family and Consumer Sciences must complete 59 semester hours, within the 120 semester hour Family and Consumer Sciences curriculum, which include Family and Consumer Sciences 1070, 1120, 4010; three hours from Family and Consumer Sciences 3030 or 4160, 4500 (12 hours). Completion of a Family and Consumer Sciences concentration area (38 hours). Special requirements: Completion of an approved minor.

Family and Consumer Sciences Minor Requirements: (21 semester hours) Undergraduate students seeking a minor in Family and Consumer Sciences must complete 21 semester hours in one of the following:

Child Development and Family Relations: Family and Consumer Sciences 1090, 2000, 2040, 2090, 2500, 3020, and 4160.

Culinary Arts: Family and Consumer Sciences 2050 or 3050, 3070; Hospitality Management and Tourism 3020; Culinary Arts 3080, 3100, 3200, 3250.

Available Concentrations:

Child Development and Family Relations (138E): (38 semester hours) Family and Consumer Sciences 1090, 2000, 2040, 2090, 2500, 3000, 3020, 4080, 4160, and 4170; Nutrition 1050; Health Education 1010; and 4 semester hours of Family and Consumer Sciences electives. (Note: A Family and Consumer Sciences elective is any course in Culinary Arts, Early Childhood Education, Family and Consumer Sciences, Hospitality Management & Tourism.)

Consumer Services (138C): (38 semester hours) Family and Consumer Sciences 2010, 4080, 4140, 4160; Family and Consumer Sciences 2000 or 2040; English 3210 or 3230; Hospitality Management and Tourism 3080; Nutrition 1030; Health Education 1010; and 12 semester hours of Family and Consumer Sciences electives, 6 of which must be upper level. (Note: A Family and Consumer Sciences elective is any course in Culinary Arts, Early Childhood Education, Family and Consumer Sciences, Hospitality Management & Tourism.)

Curriculum for Family and Consumer Sciences (138)

FIRST YEAR	SEM. HRS.
Communication 1010	3
English 1010, 1020	6
Family and Consumer Sciences 1070, 1120	4
Family and Consumer Sciences concentration area ²	4
Fine Arts 1040	3
Mathematics ¹	6
Natural Science ¹	3
University Studies 1000	1
	30
SECOND YEAR	SEM. HRS.
Electives ³	6
English 2110	3
Family and Consumer Sciences concentration area ²	9
Humanities ¹	3
Natural Science ¹	6
Social/behavioral Science ¹	3
	30

THIRD YEAR	SEM. HRS.
Electives ¹	12
Family and Consumer Sciences 3030 or 4160	3
Family and Consumer Sciences concentration area ²	12-14
Social/behavioral Sciences ¹	6
	30-32

FOURTH YEAR	SEM. HRS.
Electives ¹	3
Family and Consumer Sciences 4010, 4500	14
Family and Consumer Sciences concentration area ²	11-13
	28-30

Total Semester Hours for Degree:.....120

Footnotes:

¹ Selected to meet University core requirements.

² Chosen from family and consumer sciences concentration area.

³ Electives must be chosen so as to complete an approved minor as defined by department concerned.

Hospitality Management and Tourism

Hospitality Management and Tourism Major Requirements: (59 semester hours) Students seeking a major in Hospitality Management and Tourism must complete 59 semester hours, within the 120 semester hour Hospitality Management and Tourism curriculum, which include Hospitality Management and Tourism 1000, 4150, 4200; Nutrition 1030; Health Education 1010; Family and Consumer Sciences 1070, 1120, 3030 or 3050, 4010, 4500 (12 hrs). Completion of a Hospitality Management and Tourism concentration area (24 hours). Special requirements: Completion of an approved minor.

Hospitality Management and Tourism Minor Requirements: (21 semester hours) Hospitality Management and Tourism 1000, 3000 or 3020, 4200 or 4150, and 12 hours of Hospitality Management and Tourism electives, six of which must be at the 3000-4000 level. May include one 3 hour Culinary Arts elective or Family and Consumer Sciences 3050.

Available Concentrations:

Culinary Arts (135D): (24 semester hours) Family and Consumer Sciences 2010, 2050, 3070; Hospitality Management and Tourism 3020; Culinary Arts 3080, 3100, 3200, 3250.

Hospitality Services (135A): (24 semester hours) Hospitality Management and Tourism 3000, 3020, 3080, and one of the following Hospitality Management and Tourism 4100, 4250, or 4260. Support areas: Family and Consumer Sciences 2010 or 2050; 3050 or 3070; choose two from Culinary Arts, Hospitality Management and Tourism, or Family and Consumer Sciences 2000-4000 level electives.

Travel & Tourism (135C): (24 semester hours) Hospitality Management and Tourism 2150, 3000, 3130, 3140; Hospitality Management and Tourism 3150 or 4260; Hospitality Management and Tourism 4100 or 4250. Support areas: Eight semester hours from Hospitality Management and Tourism electives, History electives, or upper level Family and Consumer Sciences or Culinary Arts electives.

Curriculum for Hospitality Management and Tourism (135)

FIRST YEAR	SEM. HRS.
Communication 1010	3
English 1010, 1020	6
Family & Consumer Science 1070, 1120	4
Fine Arts 1040	3
Health Education 1010	2
Hospitality Management & Tourism 1000	3
Mathematics ¹	6
Natural Science ¹	3
Nutrition 1030	3
University Studies 1000	1
	34

SECOND YEAR	SEM. HRS.
Electives ³	9
English 2110	3
History 2010 or 2020	3
Hospitality Management & Tourism concentration area ²	6
Natural Sciences ¹	6
Social/behavioral Science ¹	3
	30

THIRD YEAR	SEM. HRS.
Electives ¹	12
Family and Consumer Sciences 3030	3
Hospitality Management & Tourism concentration area ²	9
Social/behavioral science ¹	3
	27

FOURTH YEAR	SEM. HRS.
Family & Consumer Science 4010, 4500	14
Hospitality Management & Tourism concentration area ²	9
Hospitality Management & Tourism 4150, 4200	6
	29

Total Semester Hours for Degree:.....120

Footnotes:

¹ Selected to meet University core requirements.

² Chosen to meet Hospitality Management and Tourism concentration area.

³ Electives must be chosen so as to complete an approved minor as defined by the department concerned.

DEPARTMENT OF MATHEMATICS AND ENGINEERING TECHNOLOGY

Room 431, Kyser Hall
318-357-4308
mathematics@nsula.edu

Department Head: Frank Serio, *Professor*

Coordinator of Engineering Technology: Bobby Nowlin, *Associate Professor*

Professors Emeriti: Stan R. Chadick, Thomas M. Hall

Professors: DeVault, Galminas, Islam, Myers, Rushing, Temple, Webb

Associate Professors: Autrey, Baig, Brown, Jannik, Nowlin, Reeves, Simmons

Instructors: Kelly, Lane, Marcus, Pope, Self, Smiley

Degree Program Available Through the Department of Mathematics and Engineering Technology:

Bachelor of Science programs in: Electronics Engineering Technology, with concentrations in: biomedical and electronics; Industrial Engineering Technology; Mathematics with a concentration in: healthcare informatics

Pre-professional Program:

Pre-engineering

The Bachelor of Science in Electronics Engineering Technology, and the Bachelor of Science in Industrial Engineering Technology are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, telephone: (410) 347-7700.

Electronics Engineering Technology

Electronics Engineering Technology Major Requirements: (64-67 semester hours) Students seeking a major in Electronics Engineering Technology must complete 64-67 semester hours, within the 124 semester hour Electronics Engineering Technology curriculum, which include the 45 semester hour Electronics Engineering Technology core and a 19-22 semester hour concentration.

Core: (45 semester hours) Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331, 2320-2321, 3310-3311, 3340-3341, 3360-3361, 4300-4301, 4390, 4940; Industrial Engineering Technology 1400, 1700; and three hours of technical electives¹.

Electronics Engineering Technology Minor Requirements: (22 semester hours) Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331, 2320-2321, 3310-3311 or 3340-3341 or 3360-3361, and Industrial Engineering Technology 1700.

Available Concentrations:

Electronics (141A): (19 semester hours): Electronics Engineering Technology 4310-4311, 4350-4351, 4950; Industrial Engineering Technology 2790; and six additional hours of technical electives¹.

Biomedical (141B): (22 semester hours): Biomedical Engineering Technology 3320-3321, 3370-3371, 4950 (6 hours); and Biology 2220-2221, 2230-2231.

Curriculum for Electronics Engineering Technology (141)

FIRST YEAR	SEM. HRS.
Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 1330-1331	13
English 1010, 1020	6
Industrial Engineering Technology 1700	1
Mathematics 1810, 2020	12
University Studies 1000	1
	33
SECOND YEAR	SEM. HRS.
Biological Science ²	0-3
Electronics Engineering Technology 2320-2321, 3340-3341, 3360-3361	12
EET concentration area ³	3-8
Industrial Engineering Technology 1400	3
Physics 2030-2031, 2040-2041	8
	29-31
THIRD YEAR	SEM. HRS.
Chemistry ⁴	3
Communication 1010	3
Computer Science 1060	3
Electronics Engineering Technology 3310-3311, 4300-4301, 4390	11
EET concentration area ³	8
English 2110	3
	31
FOURTH YEAR	SEM. HRS.
Economics 2000	3
Electronics Engineering Technology 4940	2
EET concentration area ³	6-8
English 3230	3
Fine Arts 1040	3
History ⁶	3
Industrial Engineering Technology 4750	3
Social/Behavioral Science ⁶	3
Technical electives ⁵	3
	29-31
Total Semester Hours for Degree:	124

Footnotes:

¹ Technical electives may be selected from any Biomedical Engineering Technology, Computer Science, Electronics Engineering Technology, or Industrial Engineering Technology courses, or Mathematics 2050. Electives may include a maximum of three hours of occupational field experience.

² Students in the Biomedical concentration must take the Biology courses specified within the concentration, students in the Electronics concentration area must meet the University core curriculum requirements for biological science.

³ Chosen from concentration area.

⁴ Students in the Electronics concentration take CHEM 1030, students in the Biomedical concentration take CHEM 1070.

⁵ Meets the computer literacy requirement of the University core.

⁶ Must meet the University core curriculum requirements.

Industrial Engineering Technology

Industrial Engineering Technology Major Requirements: (68 semester hours) Students seeking a major in Industrial Engineering Technology must complete 68 semester hours, within the 124 semester hour Industrial Engineering Technology curriculum, which include Electronics Engineering Technology 1300-1301, 1311, 1320-1321, 4940; Industrial Engineering Technology 1020, 1400, 1700, 1800, 2020, 2400, 2740, 2790, 3150, 3510, 3550, 3570, 4700, 4720, 4730, 4750, 4960 or Electronics Engineering Technology 4950; and nine hours of electives from any Industrial Engineering Technology or Electronics Engineering Technology courses.

Requirements for a Minor in Industrial Engineering Technology: (22 semester hours) Industrial Engineering Technology 1020, 1400, 1700, 2020, 2400, 2740, 4730, and 4750.

Curriculum for Industrial Engineering Technology (145)

FIRST YEAR	SEM. HRS.
Chemistry 1030	3
Electronics Engineering Technology 1311	1
Industrial Engineering Technology 1020, 1400, 1700, 1800, 2400	13
Mathematics 1810, 2020	12
University Studies 1000	1
	30

SECOND YEAR	SEM. HRS.
Economics 2000	3
Electronics Engineering Technology 1300-1301, 1320-1321	8
English 1010, 1020	6
Industrial Engineering Technology 2020, 2740, 2790	9
Mathematics 2050	3
Physics 2030-2031	4
	33

THIRD YEAR	SEM. HRS.
Communication 1010	3
Computer Science 1030 or 1060 ²	3
English 2110	3
Industrial Engineering Technology 3150, 3510, 3550, 3570, 4700, 4720, 4730	21
	30

FOURTH YEAR	SEM. HRS.
Biological Science ¹	3
Electives ³	9
Electronics Engineering Technology 4940	2
English 3230	3
Fine Arts 1040	3
Humanities ¹	3
Industrial Engineering Technology 4750, 4960 or Electronics Engineering Technology 4950	5
Social/Behavioral Science ¹	3
	31

Total Semester Hours for Degree:.....124

Footnotes:

¹ Must meet University core requirements.

² Meets the computer literacy requirement of the University core.

³ Electives may be selected from any Industrial Engineering Technology, Biomedical Engineering Technology, or Electronics Engineering Technology courses. Electives may include a maximum of three hours of occupational field experience.

Mathematics

Mathematics Major Requirements: (45 semester hours) Students seeking a major in Mathematics must complete 45 semester hours, within the 120 semester hour Mathematics curriculum, which include Mathematics 1010, 2080, 2100, 2110, 3090, 3100, 3130, 4950, 18 semester hours from 3000-4000 level mathematics courses or Statistics 4270 with at least 6 of these hours from 4000 level courses. Mathematics 4050 may not be used to satisfy the requirements of the Mathematics major.

Requirements for a Minor in Mathematics: (20 semester hours) Mathematics 2100, 2110 and ten additional hours selected from 2080, and/or any 3000-4000 level mathematics course(s) or Statistics 4270. Mathematics 4050 may not be used to satisfy the requirements of the Mathematics minor.

Available Concentration:

Healthcare Informatics (642A): Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270, Computer Information Systems 1030, 3100, 2980, 3300, 3900 4000, 4020.

Curriculum for Mathematics (642)

FIRST YEAR	SEM. HRS.
Communication 1010	3
Computer Science 1060	3
English 1010, 1020	6
Fine Arts 1040	3
History 1010, 1020, 2010 or 2020	3
Mathematics 1010, 2100, 2110	11
University Studies 1000	1
	30

SECOND YEAR	SEM. HRS.
Behavioral science ¹	3
Biology 1010-1011	4
Computer Science 2060	3
English 2110	3
Mathematics 2080, 3090, 3130	10
Physics 2510-2511	5
Social science ¹	3
	31

THIRD YEAR	SEM. HRS.
Chemistry 1030	3
Electives ³	10
Mathematics 3100, electives ²	12
Science elective ³	4
	29

FOURTH YEAR	SEM. HRS.
Electives ⁴	18
Mathematics 4950, electives ²	12
	30

Total Semester Hours for Degree:.....120

Footnotes:

¹ Must meet University core requirements.

² Upper level mathematics or Statistics 4270. At least 6 hours must be above 4000. Mathematics 4050 may not be used to satisfy this requirement. Students in the Healthcare Informatics concentration will take Mathematics 3150, 3160, 3 hours of Mathematics 4900, Statistics 4270 and 6 additional hours.

³ Selected from one of the following three sequences: Biology 1020-1021, Chemistry 1031-1040-1041, or Physics 2520-2521.

⁴ Students in the Healthcare Informatics concentration will take Computer Information Systems 1030, 2100, 2980, 3300, 3900, 4000, 4020, and 7 additional hours.

Pre-professional Program

Pre-Engineering

Curriculum for Pre-Engineering (141E)

FIRST YEAR	SEM. HRS.
Chemistry 1030, 1040, 1031, 1041	8
English 1010, 1020	6
Industrial Engineering Technology 1400, 1700	4
Mathematics 2100, 2110 ¹	10
University Studies 1000	1
Social/behavioral science	3
	<u>32</u>

SECOND YEAR	SEM. HRS.
Computer Science 2010	3
Economics 2010	3
English literature	3
Mathematics 3130, 3160	6
Physics 2510-2511, 2520-2521	10
Social/behavioral science	3
Technical electives ²	6
	<u>34</u>

Total Semester Hours: 66

Footnotes:

¹ Students who are deficient in algebra and trigonometry should take Mathematics 1100.

² Electives determined by field of engineering to be pursued.

DEPARTMENT OF MILITARY SCIENCE

Room 106, James A. Noe Military Science Building
318-357-5157
nsurotc@nsula.edu

Reserve Officers' Training Corps General Military Science Program

Department Head: LTC William M. Underwood, *Professor*

Assistant Professors: Baker, Bolton

Senior Military Instructor: Stetson

Reserve Officers' Training Corps

Purpose

The senior ROTC program at NSU is voluntary. Successful completion of ROTC will qualify students for commission as officers in the Army, the U.S. Army Reserve or the Army National Guard upon graduation. Students may minor but not major in Military Science.

Four-year Program

The four-year program is divided into two parts: (1) Basic Course, first two years and (2) Advanced Course, including summer camp, last two years.

The Basic Course consists of classroom instruction for a minimum of one hour and a two-hour laboratory per week. No commitment is incurred by students who enroll in the Basic Course.

The Advanced Course consists of classroom instruction for a minimum of two hours per week, a two-hour laboratory for two academic years and attendance at a five week summer camp, normally between the junior and senior academic year. Advanced Course students are required to do physical training three hours per week as part of the laboratory. Also, Advanced Course students must take at least one course from each of the following academic areas: Written Communications skills; Military History; Computer Literacy; Mathematics; and Human Behavior (Social Sciences or Psychology). Specific requirements are available from the Military Science department.

Two-year Program

The two-year program allows qualified sophomores and juniors to enter the Advanced Course program in one of five ways:

1. Completion of the Leaders Training Camp in the summer before their junior year.
2. Honorably discharged prior service students, who were eligible to reenlist and who will be under the age 30 on the date of commissioning/graduation.
3. Current members of the Army Reserve or Army National Guard who enroll in the Simultaneous Membership Program (SMP).
4. Accelerated Cadet Commissioning Training (ACCT).
5. Alternate Entry Option (AEO).

Military Science Minor Requirements

A student may earn a minor in Military Science by completing a total of 19 semester hours from any combination of Military Science courses. Additionally, History 3240 may be used to satisfy three semester hours of minor requirements.

Enrollment

To be eligible for enrollment in the Basic Course, a student must:

1. Be accepted by the University as a full-time enrolled student.
2. Be at least 17 years of age at time of enrollment.

To be eligible for enrollment in the Advanced Course, a student must, in addition to the above:

1. Be a citizen of the U.S.
2. Be physically qualified under standards prescribed by the Department of the Army.
3. Be enrolled as a full-time student.
4. Apply for admission into the Advanced Course.
5. Be accepted by the Professor of Military Science.
6. Be at least 17 and not more than 27 years of age at the time of enrollment and graduate before the age of 30. (Age waivers to age 34 are possible for exceptional students).
7. Have a cumulative grade point average of at least 2.0.
8. Have completed the ROTC Basic Course or equivalent as listed under the two-year program.
9. Be classified as an academic junior by the University.

Scholarship Program

Two, three, and four-year Army ROTC scholarships as well as civic scholarships provide financial assistance for qualified and selected students who exhibit strong motivation toward careers as officers in the United States Army. An Army ROTC scholarship will pay all tuition expenses, \$300 per semester for books, mandatory laboratory expenses, and provides a tiered stipend of \$300, \$350, \$450, and \$500 for each academic year respectively during enrollment. Qualified ROTC scholarship winners also receive a Northwestern State University "ROTC Plus Package Scholarship" which offsets dormitory and meal plan fees.

To apply for an ROTC scholarship, the student must:

1. Display a strong desire for a career as an officer in the Regular Army.
2. Be a citizen of the U.S.
3. Have a minimum cumulative GPA of 2.5 and ACT score of 19 or higher.
4. Be at least 17 years old by October of the year in which the application is made.
5. Agree to accept a commission if offered.
6. Agree to serve at least four years on active duty.

Commissions

Upon completion of the Advanced Course and graduation from the University, a student may be commissioned as a Second Lieutenant to serve on active duty or be offered a commission in the U.S. Army Reserve or National Guard. Commissions in the Army Reserve or National Guard can be guaranteed to individuals who express this preference. A delay to enter into active duty may be granted to students who desire to pursue full-time courses of instruction leading toward

advanced degrees. Commissionees incur an eight year service commitment. Non-scholarship students can serve on active duty or serve in the National Guard or Reserves in an active or inactive status, or any combination thereof totaling eight years. Scholarship students are expected to serve on active duty for four years with a three or four year scholarship or three years with a two year scholarship.

Uniforms and Equipment

The government lends all uniforms, and equipment required at each level of the program. (These items must be returned upon leaving the ROTC program at NSU or upon commissioning.)

Allowances

Advanced Course students and ROTC Scholarship recipients receive non-taxable subsistence pay ranging from \$300 - \$500 per month during the school year and one-half of a Second Lieutenant's pay (approx. \$800.00) during ROTC summer camp. All travel expenses are reimbursed and room and board is provided during camp.

Special Summer Training

Special 3-4 week Summer training opportunities are available to selected Basic Course and/or Advanced Course students who volunteer and are qualified. This training includes Airborne School; Air Assault School; Northern Warfare School; Mountain Warfare; Survival Evasion Resistance Escape; United Kingdom UTOC; and Cadet Troop Leader Training Program. Travel expenses, room and board are provided for these U.S. Army Schools.

Air Force Aerospace Studies, Air Force ROTC

General

Through a cross-town agreement with Northwestern State University, Louisiana Tech University and the United States Air Force, Air Force ROTC is open to all full-time Northwestern State University students in any major pursuing a bachelor, master degree. Students attend their core academic classes at Northwestern State University and attend Air Force ROTC academic classes and a leadership lab at Detachment 305 located at Louisiana Tech University.

Purpose

The Mission of Air Force ROTC is to train students to become future leaders in the U.S. Air Force. AFROTC provides instruction and experience to all cadets in a diversified university environment so they can graduate with the knowledge, character, and motivation essential to becoming leaders in the world's greatest and most respected Air Force. Individuals who successfully complete either the two- or four-year program will be commissioned as second lieutenants in the U. S. Air Force.

Requirements for Admission

General Military Course (GMC): (freshmen and sophomores): Enrollment requirements are as follows: 1) possess good moral character, 2) must meet age requirements for commissioning, 3) be medically qualified, and 4) be accepted by the University as a regular full-time student.

Professional Officer Course (POC): (juniors and seniors) Students are selected for the POC on a competitive basis. In addition to those requirements mentioned for the GMC, entrance into the POC requires that a student be a U. S. citizen; meet mental and physical requirements for commissioning;

have satisfactorily completed approximately 60 semester hours toward his or her degree; and be in good standing in the institution. Those enrolled in the POC will sign an oath of allegiance to the United States and receive a monthly monetary stipend.

Application Requirements

For specific cross town registration procedures, students should call Air Force ROTC, Detachment 305 at (318) 257-2740 or 1-800-528-3241. All fees related to registering for ROTC courses at Louisiana Tech are waived in accordance with the cross-town agreement.

Four-Year Program

This is divided into two distinct categories—the General Military Course (GMC) and the Professional Officer Course (POC). Any university student may enroll in the GMC. Enrolling in the GMC incurs no military obligation unless on scholarship status. Students may then compete for entry into the POC during their last two years of college. Selection into the POC is competitive and is based upon qualification after an Air Force medical examination, scores achieved on the Air Force Officer Qualifying Test (AFOQT), grade-point-average, physical fitness test, and successful completion of a Field Training course.

Two-Year Program

The two-year program consists of the POC—the last two years of the four-year program. The basic requirement is that applicants have two academic years remaining at either the undergraduate or graduate level, or a combination of both after the completion of the Field Training course. Applicants seeking enrollment in the two-year program must pass an Air Force physical exam. They are also evaluated on grade point average, scores achieved on the AFOQT, physical fitness, and a personal interview. Since the processing procedure must be completed in advance of intended enrollment, interested students must apply early in the academic year preceding the Fall semester which they intend to enter the program. Application should be made in writing or by a personal visit to an Air Force officer at Detachment 305.

Leadership Laboratory Training

In addition to academic training, enrollment in the corresponding Leadership Laboratory is open to students who are members of ROTC or are eligible to pursue a commission. Leadership Laboratory consists of physical, military, and leadership training including the operation of the Cadet Wing. The Cadet Wing is comprised exclusively of cadets. All plans and programs are developed and executed by the Cadet Wing.

College Scholarship Program

Each year the Air Force awards a number of four-, three-, and two-year scholarships on a competitive basis to highly qualified students. Scholarships provide tuition, most laboratory fees, textbook, and incidental fees, and out-of-state fees if applicable, plus \$300 to \$500 per month during the academic year. Cadets on an AFROTC college scholarship in any four-year degree program must not turn 31 years of age before Dec 31 of the year of commissioning.

Books and Uniforms

All uniforms and textbooks required for AFROTC courses are furnished by the U. S. Air Force. Each member of AFROTC will make a refundable deposit to cover possible uniform loss or damage.

GALLASPY FAMILY COLLEGE OF EDUCATION AND HUMAN DEVELOPMENT

Pod B, Room 103A, Teacher Education Center
318-357-6288
education@nsula.edu

Dean: Vickie Gentry, *Professor*

Mission of the Gallaspy Family College of Education and Human Development

The College of Education and Human Development offers exemplary programs that prepare candidates for career success in a variety of professional roles and settings. As caring, competent, reflective practitioners our graduates become positive models in their communities and organizations. This mission is fulfilled through academic programs based on theory, research, and best practice. Further, all graduates learn to value and work with diverse populations and to incorporate technologies that enrich learning and professional endeavors.

Degree Programs Available Through the Gallaspy Family College of Education and Human Development

Bachelor of Music Education programs in: Music Education-Instrumental, Grades K-12; Music Education-Vocal, Grades K-12; Music Education-Vocal/Instrumental, Grades K-12

Bachelor of Science programs in: Early Childhood Education, Grades Pre-K-3; Elementary Education, Grades 1-5; Health and Exercise Science with concentration in health science; Health and Physical Education Grades K-12; Secondary Education and Teaching with concentrations in biology education, business education, English education, mathematics education, social studies education

Master of Arts programs in: Adult Education with concentrations in continuing education, homeland security, technology management; Counseling, with concentrations in clinical mental health counseling, school counseling; Student Affairs in Higher Education

Master of Arts in Teaching programs in: Early Childhood Education, Grades PK-3; Elementary Education, Grades 1-5; Elementary Education & Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education & Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; Secondary Education & Special Education Mild/Moderate, Grades 6-12

Master of Education programs in: Curriculum and Instruction (*see associated concentrations*); Early Childhood Education; Educational Leadership; Educational Technology Leadership (*see associated concentrations*); Special Education (*see associated concentrations*)

Master of Science program in: Health and Human Performance with concentrations in health promotion, physical education, sport administration

Educational Specialist program in: Educational Leadership and Instruction with concentrations in educational leadership, educational technology, special education

Departments Within the Gallaspy Family College of Education and Human Development

Department of Educational Leadership and Technology

Department of Health and Human Performance

Department of Teaching and Learning

Accreditations

Northwestern State University is a member in good standing of the American Association of Colleges for Teacher Education, 1 Dupont Circle, Suite 610, Washington, DC 20036-1186, telephone number (202) 293-2450. All degree programs at the bachelor's level in education and those leading to the Master of Education and Educational Specialist degrees are accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496. The Physical Education Teaching Program is fully accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496 and by the National Association for Sport and Physical Education, 1900 Association Drive, Reston, Virginia 20191. The degree programs in Music Education are fully accredited by the National Association of the School of Music (NASM), 11250 Roger Bacon Drive, Suite 21, Reston, Virginia 20196, telephone number (703) 437-0700.

DEPARTMENT OF EDUCATIONAL LEADERSHIP AND TECHNOLOGY

Pod B, Room 116, Teacher Education Center
318-357-6278
education@nsula.edu

Department Head: Paula F. Furr, *Professor*

Professor Emeritus: Hurst M. Hall

Professor: McFerrin

Associate Professors: Park, Perkins

Assistant Professors: Hancock, Pichon, N. Wellman, D. Williams

Instructor: W. Wellman

Degree Programs Available Through the Department of Educational Leadership and Technology:

Master of Arts programs in: Adult Education (*see associated concentrations*); Counseling (*see associated concentrations*); Student Affairs in Higher Education

Master of Education programs in: Educational Leadership; Educational Technology Leadership (*see associated concentrations*)

Educational Specialist program in: Educational Leadership and Instruction (*see associated concentrations*)

Master of Arts Programs

Adult Education (510)

Continuing Education (510A)

Homeland Security (510B)

Technology Management (510C)

Counseling (533)

Clinical Mental Health Counseling (533A)

School Counseling (533B)

Student Affairs in Higher Education (574)

Adult Education (510)

The program is designed for persons providing or managing adult learning activities in workforce development, business, educational, and social services agencies. The program consists of a minimum of 33-semester hours, including a 15-semester hour core, a 9 semester hour concentration area emphasizing a workplace setting, a 6 semester hour support area, and a 3 semester hour application area. The program addresses the standards of the Commission of Professors of Adult Education. All courses are offered through distance learning delivery.

Foundation courses cover history and conditions of the profession, adult learning theory, program development, design of adult instruction. The research course focuses on data-driven activities for assessing the criteria, standards, and strategies that practitioners need to make sound, empirically supported professional decisions. The program concentration areas are continuing education administration, homeland security, and technology management.

Requirements for Adult Education in all concentration areas include 33 semester hours as follows:

- **Foundations:** Education 5010; Adult Education 5700, 5720, 5730, 5750.
- **Concentration Area:** To be selected from courses in the candidate's area of concentration.

- **Support Area:** To be selected from courses that support the candidate's area of concentration.
- **Application Area:** Education 5950 or Homeland Security 5900.

Available Concentrations:

Continuing Education (510A)

- **Foundations:** Education 5010; Adult Education 5700, 5720, 5730, 5750.
- **Concentration Area:** Adult Education 5740, 5760, 5800.
- **Support Area:** Adult Education 5830; Educational Technology 5780.
- **Application Area:** Education 5950.

Homeland Security (510B)

- **Foundations:** Education 5010; Adult Education 5700, 5720, 5730, 5750.
- **Concentration Area:** Homeland Security 5050, 5150, 5400.
- **Support Area:** Homeland Security 5550, 5700.
- **Application Area:** Education 5950 or Homeland Security 5900.

Technology Management (510C)

- **Foundations:** Education 5010; Adult Education 5700, 5720, 5730, 5750.
- **Concentration Area:** Educational Technology 5770, 5780, 5790.
- **Support Area:** Educational Technology 5730, 6040.
- **Application Area:** Education 5950.

Counseling (533)

A Master of Arts degree in Counseling requires 60 semester hours of credit and requires a minimum of five semesters and two summers of enrollment. No teaching certification or particular undergraduate degree is required.

Requirements for Counseling in all concentration areas include 60 semester hours as follows:

- **Foundation:** Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.
- **Concentration Area:** Depends on concentration area.
- **Support Area:** Educational Psychology 5460, 5520.
- **Application Area:** Education 5950.

Available Concentrations:

Clinical Mental Health Counseling (533A)

- **Foundation:** Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.

- **Concentration Area:** Counseling 5830, 5840, 5850, 5550, 5560 (6 hours).
- **Support Area:** Educational Psychology 5460, 5520.
- **Application Area:** Education 5950.

School Counseling (533B)

- **Foundation:** Counseling 5000, 5510, 5530, 5580, 5610, 5650, 5800, 5820, 6500, 6520; Education 5010.
- **Concentration Area:** Counseling 5540, 5600, 5570, 5560 (6 hours); Education 5900.
- **Support Area:** Educational Psychology 5460, 5520.
- **Application Area:** Education 5950.

The Counseling Program at Northwestern University is designed to prepare graduates for professional practice in the field of counseling. There are two program concentration curricula in the Counseling Program (School Counseling and Clinical Mental Health Counseling). Graduates of both concentrations meet the current academic requirements for state licensure as a Licensed Professional Counselor (LPC) in Louisiana, as well as most other states, and requirements for the National Certified Counselor (NCC) credential. Graduates of the School Counseling concentration meet current requirements for Louisiana certification in school counseling and the National Certified School Counselor (NCSC) credential.

All students are required to pass a comprehensive examination near the end of their program and complete either a thesis or project-in-lieu of thesis.

Specific requirements: To be admitted to the Counseling program, prospective students must first have regular or conditional admission to the Graduate School at Northwestern State University. In addition to the application materials for Graduate Studies, applicants must submit a completed application portfolio to the Counseling Program Admissions Committee which includes the following:

- A letter requesting consideration for program admission to a Counseling Program concentration (School Counseling or Clinical Mental Health Counseling), including the applicant's reasons for selecting that particular program concentration.
- A current resume including full name, address, phone numbers, e-mail address, academic experiences, prior related work experiences, degrees held, honors, awards, special interests, and other appropriate information.
- Three (3) reference forms from individuals familiar with the applicant's academic abilities and potential for success as a professional counselor.
- An autobiographical narrative showing evidence of life experiences and personal maturity indicating appropriateness for the counseling field.

Upon evaluation of program application portfolios, qualified applicants will be invited to participate in a mandatory admissions interview.

Students will be assigned a temporary advisor upon applying for admission. The temporary advisor will become the student's major professor after admission to the program unless the student requests otherwise. All courses are not offered every semester and students should pay attention to both the prerequisites and the semester offered in planning their matriculation. Students are strongly urged to consult with their advisor before registering.

Student Affairs in Higher Education (574)

The Master of Arts degree in Student Affairs in Higher Education (SAHE) is a 36-hour program offered online that prepares individuals to meet the academic, social, and personal needs of college students. Grounded in the College Advancement Standards (CAS), SAHE will provide a comprehensive set of criteria for which all student support programs can be judged by best practices in the field. The program will prepare student affairs administrators, student development educators, and student support service providers with the necessary skills to meet the needs of diverse students. The proposed curriculum is grounded in "theories and conceptual models implicit within human development, group dynamics, student learning, organizational management, and higher education administration" (CAS, Foundations for Standards and Guidelines).

The instructional design format for this online program is centered on the Moodle management system, which promotes faculty-student interaction, student-content interaction, and student-student interaction. Moodle, currently installed and operational throughout the Northwestern campuses, is a unified asynchronous delivery system.

Requirements for Student Affairs in Higher Education includes 36 semester hours as follows:

Core (30 hours)

Student must complete 21 semester hours of Student Affairs in Higher Education courses: 5950, 5500, 5920, 5930, 5570, 5960, and 5970; six semester hours of Education courses: 5010 and 5850; and Counseling 5610.

Electives (6 hours)

In coordination with their major professor, students may select two elective courses at the 5000-level or above in Counseling, Adult Education, Educational Technology, Health and Human Performance, or Special Education. This option allows students to tailor their studies to their interests or current or projected employment needs.

Master of Education Programs

Educational Leadership (503)

Educational Technology Leadership (502)

Educational Technology Leadership for K-12 (502A)

Educational Technology Leadership for Workforce Development (502B)

Educational Leadership (503)

Students must have regular or conditional admission into graduate school prior to enrolling in courses. In the final semester of coursework, students must pass a comprehensive final portfolio defense and the national licensing examination for School Leader Level 1.

Prerequisite: valid teaching license.

Special Requirements: minimum of 36 semester hours to include:

- Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010, and 5850.
- Concentration Area: Educational Leadership 5200, 5300, 5400, 5500, 5600, 5700, and 5800.
- Application Area: Educational Leadership 6200.

Educational Technology Leadership (502)

The program is designed to meet state requirements for technology advocates and practitioners in both K-12 and workplace/industrial settings. The program requires a minimum of 36 semester hours, including a 9-semester hour Foundations, a 15-semester hour Concentration area, a 6-semester hour Support area, and a 6-semester hour Application area. All courses are offered through distance learning delivery. Students must have regular or conditional admission into graduate school prior to enrolling in courses.

Special requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Depends on Concentration Area.
- C. Support Area: Depends on Concentration Area.
- D. Application Area: Educational Technology 6010; Education 5850.

Available Concentrations:

Educational Technology Leadership for K – 12 Teaching and Learning (502A)

This concentration requires a valid teaching license and provides advanced preparation for specializing in technology education, management, and teacher/staff development training. The program is aligned with the standards established by International Society for Technology in Education (ISTE) and National Council for Accreditation of Teacher Education (NCATE) for technology leaders and facilitators. This degree leads to the Louisiana State Department of Education's requirements for add-on certifications in Education Technology Leader, Education Technology Facilitator, and Online Instructor.

Prerequisite: valid teaching license.

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Educational Technology 5700, 5710, 5740, 5760, 5770.
- C. Support Area: Educational Technology 5780, 5790.
- D. Application Area: Educational Technology 6010; Education 5850.

Educational Technology Leadership for Workforce Development (502B)

This concentration prepares graduates to specialize in varied applications including instructional design and technology, human performance technology, training development and evaluation, and e-learning. Among the career paths open to graduates are human performance technologist or training/development specialist at local companies/enterprises, local/state governments, public/private training services, and public/private health services. (no teaching license required)

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.
- B. Concentration Area: Educational Technology 5750, 5770, 5790, 5800, 5810.
- C. Support Area: Educational Technology 5730; Adult Education 5730.
- D. Application Area: Educational Technology 6010; Education 5850.

Educational Specialist Program

Educational Leadership and Instruction (582)

Educational Leadership (582I)

Educational Technology (582H)

Special Education (582G)

Educational Leadership and Instruction (582)

The Educational Specialist (Ed.S.) degree in Educational Leadership and Instruction is a minimum of 30-hours beyond the Master's degree. Pending the applicant's transcript evaluation, additional coursework may be required. All applicants are required to be certified teachers and meet regular or conditional admission requirements to NSU's Graduate School. For transfer or earned credit at NSU, course grades of only an "A" or "B" will count toward degree requirements. Prerequisites include graduate level courses in Curriculum Development or Curriculum and Instruction (3-hours) and Instructional Improvement and Assessment or Educational Philosophy and Leadership (3hours).

Available Concentrations:

Educational Leadership (582I)

Educational Technology (582H)

Special Education (582G)

Core requirements for the Educational Specialist include 15-hours of graduate credit as follows: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours).

Educational Leadership Concentration (582I)

The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Educational Leadership is designed to meet the needs of both teachers and administrative school leaders. The program is designed for both those with a master's in Educational Leadership or another program area. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours)

Educational Leadership Concentration: Educational Leadership and related courses (24-hours)

Educational Technology Concentration (582H)

The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Educational Technology is a professional degree designed to provide advanced educational preparation for persons who have demonstrated superior qualifications for using or managing technology in educational settings. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours)

Educational Technology Concentration: Educational Technology and related courses (24-hours)

Special Education Concentration (582G)

The Educational Specialist Degree in Educational Leadership and Instruction with a concentration in Special Education allows certified teachers to specialize in one of five areas: Early Intervention, Educational Diagnostician, Gifted, Mild/Moderate Elementary or Mild/Moderate Middle School and High School. Each candidate will work with his or her major professor to determine a course of study.

Core: Research (6-hours), Statistics (3-hours), and Thesis or Field Study (6-hours)

Special Education Concentration: Special Education and related courses (24-hours)

DEPARTMENT OF HEALTH AND HUMAN PERFORMANCE

Room 102, Health and Physical Education Majors Building
318-357-5126
health@nsula.edu

Department Head: John E. Dollar, *Associate Professor*

Professor Emeritus: Gordon "Sam" Coker

Professors: Dickens, Gentry, Moulton

Associate Professors: McMillan, Maggio

Instructors: C. Davis, Hicks, Merritt

Degree Programs Available Through the Department of Health and Human Performance:

Bachelor of Science programs in Health and Exercise Science with concentration in health science; Health and Physical Education, Grades K-12

Master of Science program in Health and Human Performance (see associated concentrations)

The Physical Education Teaching Program is fully accredited by the National Council for Accreditation of Teacher Education, 2010 Massachusetts Avenue, N.W., Suite 500, Washington, DC 20036-1023, telephone number (202) 466-7496 and by the National Association for Sport and Physical Education, 1900 Association Drive, Reston, Virginia 20191.

Health and Exercise Science

Health and Exercise Science Major Requirements: (78 semester hours) Students seeking a major in Health & Exercise Science must complete 78 semester hours within the 120 semester hour Health and Exercise Science curriculum. These hours include 30 hours of Human Performance 2000, 2630, 3550, 3560-61, 4170, 4180, 4200; Health Education 1010, 1090, 3000, 4000, and 4600; 27 hours of required-related courses; and 7 hours of advisor-approved electives.

Requirements for Graduation: (a) minimum 2.50 adjusted major grade point average, (b) minimum grade of "C" in each course applied to University Core Requirements and Health and Human Performance Departmental Requirements, including advisor approved electives.

Athletic Training Minor Requirements: (31 semester hours). Students seeking a minor in Athletic Training must take Health Education 1010, 1090, 2010, 2030, 3010, 4030; Human Performance 3550, 3560-3561; Biology 2220-2221, 2230-2231.

Physical Education, Sport, & Leisure Management Minor Requirements: (21 semester hours) Students seeking a minor in Physical Education, Sport, & Leisure Management must take Health Education 1010, 4000; Human Performance 1110, 2000, 2230, 2270, 4300. Two techniques courses (4 hours) selected from Human Performance 2110, 2170, 2240, 2270, 2280, and 2670.

Available Concentration:

Health Science (377A): 34 semester hours of prerequisite courses for admission to Physical Therapy, Occupational Therapy and Physician's Assistant programs in graduate school: Biology 1010-1011, Biology 1020-1021, Biology 2060-2061, Chemistry 1030-1031, Chemistry 1040-1041, Physics 2030-2031, Physics 2040-2041, Psychology 2050, and Psychology 4450.

Curriculum for Health and Exercise Science (377)

FIRST YEAR	SEM. HRS.
Chemistry 1070	3
Computer Information Systems 1090 or Business Administration 1800	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010, 1090	5
History 2010 or 2020	3
Mathematics ¹	6
University Studies 1000	1
Psychology 2050	3
	33

SECOND YEAR	SEM. HRS.
Biology 2250-2251, 2260-2261	8
Communication 1010	3
Economics 2000	3
English 2110	3
Human Performance 2000, 2270, 2630	8
Human Performance Activity elective ²	2
Nutrition 1030	3
	30

THIRD YEAR	SEM. HRS.
Advisor approved elective ³	6
Business Administration 3250	3
English 3210 or 3230	3
Health Education 3000, 4600	6
Human Performance 3550, 3560, 3561	7
Human Performance Activity elective ²	2
Marketing 2200 or 3230	3
Psychology 2450 or 4450	3
	33

FOURTH YEAR	SEM. HRS.
Advisor approved elective ³	1
Psychology 4400	3
Health Education 4000	3
Human Performance 4170, 4180, 4200	17
	24

Total Semester Hours for Degree:.....120

Footnotes:

¹ Mathematics: 6 hours in pairs and in sequence from Mathematics 1020-1060; 1020-1090; 1020-2010; 1100 (6 hours); 1180 (6 hours).

² Human Performance activity courses - see advisor for approved list.

³ Advisor approved electives - see advisor for approved courses.

Health and Physical Education, Grades K-12

Health and Physical Education, Grades K-12 Major Requirements: (80 semester hours) Students seeking a major in Health & Physical Education Grades K-12 must complete 80 semester hours within the 125 semester hour Health and Physical Education Grades K-12 curriculum. These hours include Human Performance 2010, 2110, 2230, 2240, 2270, 2280, 2630, 3190, 3550, 3560-61, 4000, 4010, 4170 and 4960; Health Education 1010, 1090, 2000, 4500, 4600 and 4880; and the following courses in teacher education: Education 2020, 3140; Educational Psychology 3000; Reading 4080; and Special Education 3460.

Requirements for Graduation: (a) minimum 2.50 overall grade point average, (b) minimum grade of "C" in each course applied to University Core Requirements and Health and Human Performance Departmental Requirements, including advisor approved electives. There are special admission and graduation requirements for Health & Physical Education Grades K-12 as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

Curriculum for Health and Physical Education, Grades K-12 (378)

FIRST YEAR	SEM. HRS.
Communication 1010.....	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010, 1090	5
History 2010 or 2020	3
Mathematics ¹	6
University Studies 1000	1
Science 1010 or Chemistry 1070	3
Social science ²	3
	<u>33</u>

SECOND YEAR	SEM. HRS.
Biology 2250-2251, 2260-2261	8
Education 2020	3
Educational Psychology 2020	3
English 2110	3
Health Education 2000	3
Human Performance 2010, 2110, 2230, 2240, 2270, 2630	14
	<u>34</u>

THIRD YEAR	SEM. HRS.
Education 3140	3
Educational Psychology 3000	3
English 3210 or 3230	3
Health Education 4500, 4600	6
Human Performance 2280, 3190, 3550, 3560, 3561, 4000, 4010, 4170	19
	<u>34</u>

FOURTH YEAR	SEM. HRS.
Education 4020	12
Health Education 4880	3
Human Performance 4960	3
Reading 4080	3
Special Education 3460	3
	<u>24</u>

Total Semester Hours for Degree:.....125

Footnotes:

¹ Mathematics: 6 hours in pairs and in sequence from Mathematics 1020-1060; 1020-1090; 1020-2010; 1100 (6 hours); 1180 (6 hours).

² Selected from the following: Anthropology 1510; Economics 2000; Geography 1010; Political Science 2010; or Philosophy 1010.

Adapted Physical Education Teacher Certification:

(See Health and Human Performance Department Head or College of Education and Human Development, Teacher Certification Programs)

Graduate Program

Master of Science Program in: Health and Human Performance (577)

Degree Requirements: Minimum of 33 semester hours.

Available Concentrations:

Sport Administration (577A)

- Foundations: (9 semester hours) Human Performance 5000, 5020, 5150.
- Concentration: (18 semester hours) Human Performance 5120, 5130, 5160, 5190, 5220. Seminars: A minimum of three 1-hour seminars must be completed: Human Performance 5510, 5520, 5530, 5590.
- Application: (6 semester hours) Human Performance 5690 and 5990.

Health Promotion (577B)

- Foundations: (6 semester hours) Health Education 5000 and 5020.
- Concentration: (21 semester hours) Health Education 5100, 5200, 5250, 5300, 5400, 5470, 5600.
- Application: (6 semester hours) Health Education 5370 and 5990.

Physical Education (577C)

- Foundations: (9 semester hours) Human Performance 5000, 5020, 5150.
- Concentration: (12 semester hours) Human Performance 5130, 5140, 5160, 5190.
- Support Area: (9 semester hours) Choose from Education Curriculum and Instruction 5020, 5030; Educational Leadership 5150, 5200, 5300, 5800; Educational Technology 5700.
- Application: (6 semester hours) Choose from Human Performance 5690 (3 hours) and 5990 (3 hours) or Human Performance 5980 (6 hours).

DEPARTMENT OF TEACHING AND LEARNING

Pod B, Room 107, Teacher Education Center
318-357-6144
education@nsula.edu

Department Head: Kimberly W. McAlister, *Associate Professor*

Professors: Duchardt, Horton

Associate Professors: Christensen, Morris

Assistant Professors: Hawkins, Pochl

Instructors: V. Biscoe, Kendrick, Melder, Rougeou, Wynder

Degree Programs Available Through the Department of Teaching and Learning:

Persons earning an undergraduate teacher education degree meet the requirements for a Louisiana teaching certificate in their area of certification.

Bachelor of Music Education programs leading to initial teacher certification: Music Education-Instrumental, Grades K-12; Music Education-Vocal, Grades K-12; Music Education-Vocal/Instrumental, Grades K-12

Bachelor of Science programs leading to initial teacher certification: Early Childhood Education, Grades Pre-K-3; Elementary Education, Grades 1-5; Secondary Education and Teaching with concentrations in: biology education, business education, English education, mathematics education, social studies education

Master of Arts in Teaching programs leading to initial teacher certification: Early Childhood Education, Grades PK-3; Elementary Education, Grades 1-5; Elementary Education & Special Education Mild/Moderate, Grades 1-5; Middle School Education, Grades 4-8; Middle School Education & Special Education Mild/Moderate, Grades 4-8; Secondary Education, Grades 6-12; Secondary Education & Special Education Mild/Moderate, Grades 6-12

Master of Education programs in: Curriculum and Instruction (see associated concentrations); Early Childhood Education; Special Education (see associated concentrations)

Add-On Certification Areas

The University offers add-on certification in numerous content areas. Further information is available at: <http://dlt.nsula.edu/add-on-certifications/>.

Admission, Progression, Dismissal and Graduation Policies

Undergraduate Programs

Candidates pursuing a degree in teacher education must be admitted into the program (referred to as teacher candidacy) to enroll in upper level education courses.

To be admitted into teacher candidacy, a candidate must:

1. Complete all required first year coursework as defined by the candidate's catalog.
2. Earn an overall grade point average of 2.5 or higher (excluding all activity or developmental courses).
3. Complete all degree applicable coursework with a grade of "C" or higher.
4. Earn the Louisiana minimum required scores on the PRAXIS Pre-Professional Skills Test (PPST) Reading, Writing, and Mathematics. An ACT composite score of at least 22, or a combined verbal and math SAT score of at least 1030 may also be used.

5. Complete an application for admission to teacher candidacy.
6. Receive a favorable "Professional Dispositions and Characteristics" assessment from COEHD faculty.

Undergraduate Retention as a Candidate for a Degree in Teacher Education

Retention as a candidate for a degree in teacher education requires that a student continue to earn grades of "C" or better (grades of "I", "X", or "Z" are not acceptable) in all degree applicable coursework and maintain an overall GPA of 2.50 or better.

Appeal for Candidacy for a Degree in Teacher Education

A student who does not meet requirements for admission to and/or retention in teacher candidacy may file a written appeal with the Gallaspys Family College of Education and Human Development Admissions and Retention Committee if he/she believes that substantive mitigating circumstances exist. The Admissions and Retention Committee will recommend approval or disapproval of the appeal to the Dean of the Gallaspys Family College of Education and Human Development.

Alternate Certification or MAT Programs

Admission requirements to all Alternate Certification programs include: 1) an earned baccalaureate degree from a regionally accredited institution with a minimum overall grade point average of 2.50 on a 4.00 scale; 2) passing scores on PRAXIS I PPST or an earned Master's degree, an ACT composite score of at least a 22 or a SAT combined verbal and math score of at least 1030; 3) passing scores on the appropriate PRAXIS Specialty Area examination.

Students in all alternate certification programs must complete a one-year internship in the grade level and content area of the certification pursued. Students in PREP must present a passing score on the PRAXIS II pedagogy test in order to complete certification. Students in the Professional Studies or non-master's alternative certification program must present a passing score on the PRAXIS II pedagogy test *prior to enrollment in an internship or student teaching*.

Students who are not eligible for retention in one alternate certification program may not transfer to another alternate certification program at Northwestern. In addition, students who are not eligible for retention in an alternate certification program at another college, university, or private provider may not transfer to an alternate certification program at Northwestern.

NOTE: No final grade below a "C" will be accepted in any course required for certification.

Alternate Certification Programs Leading to Initial Teacher Certification

Northwestern State University offers three state-approved certification pathways which allow individuals with baccalaureate degrees outside of education to earn Louisiana teacher certification. Persons earning teacher certification through the following programs will meet the requirements for "Highly Qualified Teacher" (as defined by the *No Child Left Behind Act of 2001*).

- 1) The Practitioner Teacher Program, Preparing Responsive Educators Program (PREP),** is an accelerated program for those teaching in Louisiana public schools. Certification is available in Elementary Education, Grades 1 – 5; Middle School Education, Grades 4 – 8; Secondary Education, Grades 6 – 12. PREP applicants must present a "letter of intent to employ" from an employing parish. Program begins in summer ONLY and candidates complete graduate certification work in one academic year. Candidates are strongly encouraged to apply 12 PREP graduate hours toward Master of Education (M.Ed.) degree in Curriculum and Instruction with a concentration in Transition to Teaching.
- 2) Master's Degree Program in Alternate Certification: Professional Studies** offers coursework leading to a Master of Arts in Teaching degree and teacher certification in Early Childhood Education, Grades PK – 3; Elementary Education, Grades 1 – 5; Middle School Education, Grades 4 – 8; Secondary Education, Grades 6 – 12; Elementary Education and Special Education Mild/Moderate, Grades 1 – 5; Middle School Education and Special Education Mild/Moderate, Grades 4 – 8; Secondary Education and Special Education Mild/Moderate, Grades 6 – 12. This program is available online.
- 3) Non-Master's alternate certification program** offers coursework leading to teacher certification in Music education, grades K-12.

Master of Education Programs

Admission to any Master of Education (M.Ed.) program requires full admission to the graduate school. Please see the graduate school guidelines for most current entrance requirements.

In addition, all M.Ed. programs require that candidates have a valid teaching license. Additional requirements may be necessary for specific programs.

Undergraduate Programs

Early Childhood Education, Grades Pre-K – 3

Early Childhood Education, Grades Pre-K – 3 Curriculum Requirements: (124 semester hours) Students seeking a major in Early Childhood Education, Grades Pre-K – 3 must complete the 124 semester hour curriculum which includes:

General Education coursework: (39 hours) ENGL 1010, 1020, 2110, 3210 or 3230; MATH core (6 hours), 2040; Physical Science core (3 hours); Biological Science core (6 hours); PSCI 2010; SST 3030 or HIST 3040; FA 1040.

Focus Area: (33 hours) ECED 1060, 3060, 3070; FACS 2020, 4160; RDG 3030, 3060, 4060; EDUC 4080; MATH 2030; EDUC 3100, 4230.

Knowledge of the Learner and Learning Environment: (15 hours) ECED 3080, 3090; EPSY 2020; EDUC 2020, 3140.

Methodology in Teaching: (6 hours) ECED 3110, EDUC 4330.

Student Teaching: (9 hours) EDUC 4950.

Flexible Hours: (22 hours) UNIV 1000; COMM 1010; NUTR 1050; HED 1010; ART 2040 or MUS 2100; HIST 2010 or 2020; SPED 3460; HP 3120; EDUC 4430.

Curriculum for Early Childhood Education, Grades Pre-K – 3 (3101)

FIRST YEAR	SEM. HRS.
Biological science ¹	3
Communication 1010	3
Early Childhood Education 1060	1
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Health Education 1010	2
History 2010 or 2020	3
Mathematics ¹	6
University Studies 1000	1
Physical science ¹	3
	34

SECOND YEAR	SEM. HRS.
Biological science ¹	3
Early Childhood Education 3060	3
Educational Psychology 2020	3
English 2110	3
Mathematics 2030, 2040	6
Nutrition 1050	2
Political Science 2010	3
Reading 3030, 3060	6
Special Education 3460	3
	32

THIRD YEAR	SEM. HRS.
Art 2040 or Music 2100	2
Early Childhood Education (3070, 3080, 3090) ² , 3110	12
Education 3100, 3140	6
English 3210 or 3230	3
Family and Consumer Sciences 3020	2
Reading 4060	3
Social Studies 3030 or History 3040	3
	31

FOURTH YEAR	SEM. HRS.
Education (4080, 4230, 4330, 4430) ² , 4950	21
Family and Consumer Sciences 4160	3
Human Performance 3120	3
	27

Total Semester Hours for Degree:.....124

Footnotes:

¹ From the University core.

² Must be taken concurrently.

³ Courses taken concurrently.

Elementary Education, Grades 1 – 5

Elementary Education, Grades 1 – 5 Curriculum Requirements: (124 semester hours). Students seeking a major in Elementary Education, Grades 1 – 5 must complete the 124 semester hour curriculum which includes:

General Education coursework: (54 hours) ENGL 1010, 1020, 2110, 3210 or 3230; MATH 1020, 1060, 2030, 2040; SCI 1010, 1020, 2010, 2020; PHYS 1120; HIST 2010 or 2020; GEOG 1010, 3050; PSCI 2010; FA 1040.

Focus Area – Reading/Language Arts & Mathematics: (21 hours) RDG 3030, 3060, 4060; EDUC 3100, 4080, 4230; MATH 4050.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020, 3210; EPSY 2020, 3000; SPED 3460.

Methodology in Teaching: (15 hours) EDUC 4330, 4430, 4960.

Additional Hours: (19 hours) UNIV 1000; COMM 1010; EDUC 3140; HP 3120; HED 1010; MUS 2100; ART 2040; SST 3030 or HIST 3040.

Curriculum for Elementary Education, Grades 1 - 5 (3102)

FIRST YEAR	SEM. HRS.
Communication 1010.....	3
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
History 2010 or 2020	3
Mathematics 1020 or 1035, 1060	6
University Studies 1000	1
Science 1010, 1020	6
	31
SECOND YEAR	SEM. HRS.
Art 2040	2
Educational Psychology 2020	3
English 2110.....	3
Geography 1010	3
Health Education 1010.....	2
Mathematics 2030, 2040	6
Music 2100	2
Physics 1120	3
Reading 3030	3
Science 2010	3
Special Education 3460	3
	33
THIRD YEAR	SEM. HRS.
Education 3100, 3140	6
Educational Psychology 3000	3
English 3210 or 3230	3
Geography 3050	3
Mathematics 4050	3
Political Science 2010.....	3
Reading 3040, 3060	6
Science 2020	3
Social Studies 3030 or History 3040.....	3
	33
FOURTH YEAR	SEM. HRS.
Education 3210 ¹ , 4960 ¹ , (4080, 4230, 4330, 4430) ²	24
Human Performance 3120	3
	27
Total Semester Hours for Degree:.....	124

Footnotes:

¹ Must be taken concurrently.

² Must be taken as a block.

Available Concentrations:

Biology Education (320B):

General Education specific requirements: MATH 1100; BIOL 1010, CHEM 1030, PHYS 2030.

Concentration: BIOL 1011, 1020, 1021, 2020, 2021, 3250, 3251, 3270, 3271, 4910. Twelve hours of BIOL electives are also required from the following: 2050-2051, 2060-2061, 2080-2081, 2100-2101, 2140-2141, 2950, 3010-3011, 3040-3041, 3140-3141, 3170-3171, 3280, 3340-3341, 4040-4041, 4120-4121, 4190-4191, 4220-4221, 4270, 4300-4301, 4310-4311, 4320, 4350-4351, 4360-4361, 4400-4401.

Additional hours (23 hours): ENGL 2110, CHEM 1031; PHYS 2031, electives (18 hours).

Business Education (320U):

General Education specific requirements: MATH 1020, 1060; SCI 1010, 1020, 2010 or 2020.

Concentration: BUAD 1010, BUAD 1020, BUAD 2180, BUAD 2190, BUAD 2140, BUAD 2200, BUAD 3250, ACCT 2000, ACCT 2010, ECON 2000, ECON 2010, MGT 3220, MKTG 3230.

Additional hours (17 hours): ENGL 2110, Electives (14 hours).

English Education (320E):

General education specific requirements: MATH 1020, 1060; SCI 1010, 1020, 2010 or 2020.

Concentration: ENGL 2070, ENGL 3000, ENGL 3210, ENGL 3100, ENGL 3150, ENGL 3160, ENGL 3170, ENGL 3190 or 3200, ENGL 4190, ENGL 4610, ENGL 3000/4000 (6 hours).

Additional hours (17 hours): Foreign language (6 hours); Electives (11 hours).

Mathematics Education (320M):

General education specific requirements: MATH 2100, CHEM 1030; BIOL 1010; PHYS 2510.

Concentration: MATH 1010, 2010, 2080, 3090, 3150, 3020, 3100, 4050, 4950.

Additional hours (25 hours): ENGL 2110; BIOL 1011; PHYS 2511; electives (20 hours).

Social Studies Education (320S):

General education specific requirements: MATH 1020, 1060; SCI 1010, 1020, 2010 or 2020.

Concentration: ANTH 1510, ANTH 2020, GEOG 1010, GEOG 1020, GEOG 2020, GEOG 3050, ECON 2000, ECON 2010, HIST 1010, HIST 1020, HIST 2010 or 2020, HIST 3040, PSCI 2010, PSCI 2020, PSCI 3000/4000 elective, HIST 3000/4000 Advanced American History elective, HIST 3000/4000 Advanced European/non-American History elective.

Additional hours (5 hours): ENGL 2110, Electives (2 hours).

Curriculum for Secondary Education and Teaching (320)

FIRST YEAR	SEM. HRS.
Communication 1010.....	3
Concentration-dependent courses ²	3
Education 2020	3
English 1010, 1020	6
Fine Arts 1040	3
Mathematics ²	6
Natural Science ²	6
University Studies 1000	1
	31
SECOND YEAR	SEM. HRS.
Concentration-dependent courses ²	15
Educational Psychology 2020	3
History 2010 or 2020	3
Natural Science ²	3
Social Science ¹	3
Special Education 3460.....	3
	30

Secondary Education and Teaching

Secondary Education and Teaching Curriculum Requirements: (120 semester hours). Students seeking a major in Secondary Education and Teaching must complete the 120 semester hour curriculum which includes:

General Education Requirements: (30 hours) ENGL1010, ENGL 1020, Math (6 hours); Science (9 hours); Social Sciences (3 hours); HIST 2010 or 2020, FA 1040.

Knowledge of the Learner and Learning Environment: (15 hours) EDUC 2020, EDUC 3220, EPSY 2020, EPSY 3000, SPED 3460.

Methodology & Teaching: (18 hours) RDG 4080, EDUC 3140, EDUC 4010, EDUC 4980 (9 hours).

Additional Hours: UNIV 1000, COMM 1010.

THIRD YEAR	SEM. HRS.
Concentration-dependent courses ² or electives ³	24
Education 3140	3
Educational Psychology 3000	3
	30
FOURTH YEAR	SEM. HRS.
Concentration-dependent courses ² or electives ³	11
Education 4010, 3220 ⁴ , 4980 ¹	15
Reading 4080	3
	29
Total Semester Hours for Degree:	120

Footnotes:

- ¹ Selected to meet university core requirements.
- ² Refer to the concentration areas available within this degree.
- ³ Electives may be used to pursue second teaching certification area.
- ⁴ Must be taken concurrently.

Music Education - Instrumental, Grades K - 12

Music Education-Instrumental, Grades K-12 Major Requirements: (97 semester hours) Students seeking a major in Music Education-Instrumental, Grades K-12 must complete 97 semester hours of the 133-semester hour degree within the Music Education-Instrumental, Grades K-12 curriculum. 72 hours comprise the basic musicianship component of the degree and 25 hours are from professional education courses. Of the 72 hours in music, 26 hours are for courses unique to the Music Education-Instrumental, Grades K-12 curriculum.

Requirements for Graduation: (a) minimum 2.5 overall grade point average, (b) minimum grade of "C" in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

Curriculum for Music Education-Instrumental, Grades K-12 (327)

FIRST YEAR	SEM. HRS.
Communication 1010	3
English 1010, 1020	6
Ensembles ²	2
Fine Arts 1040	3
Mathematics ¹	6
Music 1150, 1151, 1160, 1161	6
Music, 1710 and 1500 each semester	4
Music Education 2020	3
University Studies 1000	1
Performance/Pedagogy technique ⁴	2
	36
SECOND YEAR	SEM. HRS.
Educational Psychology 2020	3
English 2110	3
Ensembles ²	2
History 2010 or 2020	3
Music 1710 and 1500 each semester	4
Music 2030, 2040, 2150, 2151, 2160, 2161	10
Music Education 3510	1
Natural Science ¹	3
Performance/Pedagogy technique ⁴	6
	35
THIRD YEAR	SEM. HRS.
Educational Psychology 3000	3
Ensembles ²	2
Music 3710 ³ and 1500 each semester	4
Music 3030, 3040, 3090, 3110	8
Music Education 3140, 4110, 4460 or 4480	9
Natural Science ¹	3
Performance/Pedagogy technique ⁴	4
Reading 4080	3
	36

FOURTH YEAR	SEM. HRS.
Education 4980 ³ or 4960 ⁵	9
Ensembles ²	1
Music 3710 ³	2
Music Education 4010, 4020 ⁵	6
Natural Science ¹	3
Performance/Pedagogy technique ⁴	2
Social Science ¹	3
	26
Total Semester Hours for Degree:	133

Footnotes:

- ¹ Selected to meet University core requirements.
 - ² Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.
 - ³ Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.
 - ⁴ Four hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A. Also must take MUS 1910, 1840, 1860, 1880, 1890 and one of the following: MUS 1850, 1870, 1920, 1930.
 - ⁵ Student teaching and MUED 4020 are to be taken concurrently to constitute a full academic load for one semester.
- NOTE:** All students enrolled in MUS 1710 and 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument category.

Music Education - Vocal, Grades K - 12

Music Education-Vocal, Grades K-12 Major Requirements: (97 semester hours) Students seeking a major in Music Education-Vocal, Grades K-12 must complete 97 semester hours of the 133-semester hour degree within the Music Education-Vocal, Grades K-12 curriculum. 72 hours comprise the basic musicianship component of the degree and 25 hours are from professional education courses. Of the 72 hours in music, 26 hours are for courses unique to the Music Education-Vocal, Grades K-12 curriculum.

Requirements for Graduation: (a) minimum 2.5 overall grade point average, (b) minimum grade of "C" in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspy Family College of Education and Human Development and the Louisiana State Department of Education.

Curriculum for Music Education-Vocal, Grades K-12 (328)

FIRST YEAR	SEM. HRS.
Communication 1010	3
English 1010, 1020	6
Ensembles ²	2
Mathematics ¹	6
Music 1150, 1151, 1160, 1161	6
Music 1710 and 1500 each semester	4
Music Education 2020	3
University Studies 1000	1
Performance/Pedagogy technique ⁴	4
	35
SECOND YEAR	SEM. HRS.
Educational Psychology 2020	3
English 2110	3
Ensembles ²	2
Fine Arts 1040	3
History 2010 or 2020	3
Music 1710 and 1500 each semester	4
Music 2030, 2040, 2150, 2151, 2160, 2161	10
Music Education 3510	1
Natural Science ¹	3
Performance/Pedagogy technique ⁴	3

SECOND YEAR	SEM. HRS.
Educational Psychology 3000	3
Ensembles ²	2
Music 3710 ³ and 1500 each semester	4
Music 3030, 3040, 3090, 3100, 4150	11
Music Education 3140, 4110	6
Natural Science ¹	3
Performance/Pedagogy technique ⁴	5
Reading 4080	3
	37

FOURTH YEAR	SEM. HRS.
Education 4980 ⁵ or 4960 ⁵	9
Ensembles ²	1
Music 3710 ³	2
Music Education 4010, 4020 ⁵	6
Natural Science ¹	3
Performance/Pedagogy technique ⁴	2
Social Science ¹	3
	26

Total Semester Hours for Degree:.....133

Footnotes:

- ¹ Selected to meet University core requirements.
 - ² Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty.
 - ³ Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.
 - ⁴ Four hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A. Also must take MUS 4040, 1210, 1220, 1230, MUED 4520, and four hours of MUS 1700A.
 - ⁵ Student teaching and MUED 4020 are to be taken concurrently to constitute a full academic load for one semester.
- NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's voice category.

Music Education - Vocal/Instrumental, Grades K - 12

Music Education-Vocal/Instrumental, Grades K-12 Major Requirements: (123 semester hours) Students seeking a major in Music Education-Vocal/Instrumental, Grades K-12 must complete 123 semester hours of the 160-semester hour degree within the Music Education-Vocal/ Instrumental, Grades K-12 curriculum. 98 of these hours comprise the basic musicianship component of the degree and 25 hours are from professional education courses.

Requirements for Graduation: (a) minimum 2.5 overall grade point average, (b) minimum grade of "C" in each course applied to University Core requirements and School of Creative and Performing Arts requirements. There are special admission and graduation requirements for Music Education K-12 Teaching as prescribed by the NSU Gallaspay Family College of Education and Human Development and the Louisiana State Department of Education.

Curriculum for Music Education-Vocal/Instrumental, Grades K-12 (329)

FIRST YEAR	SEM. HRS.
English 1010, 1020	6
Ensembles ²	2
Mathematics ¹	6
Music 1150, 1151, 1160, 1161	6
Music 1710 and 1500 each semester	8
Music Education 2020	3
University Studies 1000	1
Performance/Pedagogy technique ⁴	4
	36

SECOND YEAR	SEM. HRS.
Communication 1010	3
Educational Psychology 2020	3
Ensembles ²	2
Fine Arts 1040	3
History 2010 or 2020	3
Music 1710 and 1500 each semester	8
Music 2030, 2040, 2150, 2151, 2160, 2161	10
Performance/Pedagogy technique ⁴	3
	35

THIRD YEAR	SEM. HRS.
Educational Psychology 3000	3
Ensembles ²	2
Music 3710 ³ and 1500 each semester	4
Music 3030, 3040, 3090, 3110, 4150	11
Music Education 3140, 3510	4
Natural Science ¹	3
Performance/Pedagogy technique ⁴	6
	33

FOURTH YEAR	SEM. HRS.
English 2110	3
Ensembles ²	2
Music 3710 ³ , 3100, 4050	7
Music Education 4010 ⁶ , 4110	6
Natural Science ¹	3
Performance/Pedagogy technique ⁴	5
Reading 4080	3
Social Science ¹	3
	32

FIFTH YEAR	SEM. HRS.
Education 4980 ⁵ or 4960 ⁵	9
Ensembles ²	1
Music Education 4010 ⁶ , 4020 ⁵	6
Natural Science ¹	3
Performance/Pedagogy technique ⁴	5
	24

Total Semester Hours for Degree:.....160

Footnotes:

- ¹ Selected to meet University core requirements.
 - ² Instrumental students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1300, 1310, 1340, 1350, 1360, 1390, 1400, or 1410 as needed. Keyboard students must enroll in at least four semesters of MUS 1440 and at least two semesters of MUS 1310, 1320, 1330, 1340, 1360, 1380, or 1430. Vocal students must participate in performing ensembles each semester of residence, and will be assigned to MUS 1320, 1330, 1370, 1380, and 1430 as needed. Assignments for the above ensembles will be made by appropriate ensemble directors, who may consult with the applied music faculty. Band students on scholarship may be required to audition for spring ensembles.
 - ³ Proficiency requirements in major performance areas must be satisfied prior to being admitted to 3710-level performance course.
 - ⁴ Four hours of MUS 1800, 1810, 1820, 1830 or MUS 1700A. Majors must take MUS 1210, 1220, 1230, 4040, 1920, 1840, 1860, 1880, 1890, MUED 4520, and one of the following: MUS 1850, 1870, 1920, 1930. Also, must take two hours of MUS 1700A.
 - ⁵ Student teaching and MUED 4020 are to be taken concurrently to constitute a full academic load for one semester.
 - ⁶ Majors will take four hours of MUS 4010 for vocal and instrumental methods.
- NOTE:** All students enrolled in MUS 1710 and MUS 3710 are required to participate in an end-of-semester jury, performing for faculty members appropriate to the student's instrument/voice category.

Graduate Programs

Master of Arts in Teaching Degrees

- Early Childhood Education, Grades PK-3 (548)
 - Professional Studies (548A)
- Elementary Education, Grades 1-5 (506)
 - Professional Studies (506A)
- Elementary Education & Special Education Mild/Moderate, Grades 1-5 (531)
 - Professional Studies (531A)

Middle School Education, Grades 4–8 (507)

- **Professional Studies (507A)**

Middle School Education & Special Education Mild/Moderate, Grades 4–8 (541)

- **Professional Studies (541A)**

Secondary Education, Grades 6–12 (508)

- **Professional Studies (508A)**

Secondary Education & Special Education Mild/Moderate, Grades 6–12 (561)

- **Professional Studies (561A)**

Early Childhood Education, Grades PK–3 (548)

- **Professional Studies (548A)***

Special requirements: Minimum of 39 semester hours.
Special Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education 5010 (3 hours), Early Childhood Education 5010 (3 hours), 5530 (3 hours).
- Concentration Area:** Early Childhood Education 5570 (3 hours), 5580 (3 hours), 5560 (3 hours), Education 5450 (6 hours).
- Support Area:** Special Education 5510 (3 hours), Reading 5010 (3 hours), 5020 (3 hours), 5510 (3 hours).
- Application Area:** Education 5950 (3 hours) or 5980 (3 hours).

* Passing score on PRAXIS II Pedagogy Test required for admission to Internship.

Elementary Education, Grades 1–5 (506)

- **Professional Studies (506A)***

Special requirements: Minimum of 39 semester hours.
Specialized Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area:** Education 5600 (3 hours), 5610 (3 hours), and 5410 (6 hours), Reading 5010 (3 hours).
- Support Area:** Educational Psychology 5490 (3 hours), Special Education 5510 (3 hours), Reading 5110 (3 hours), 5510 (3 hours).
- Application Area:** Education 5950 (3 hours) or 5980 (3 hours).

* Passing score on PRAXIS II Pedagogy Test required for admission to Internship.

Elementary Education & Special Education Mild/Moderate, Grades 1–5 (531)*

- **Professional Studies (531A)**

Special requirements: minimum of 39 hours.

- Foundations:** EDUC 5010 (3 hours), EDUC 5020 (3 hours), and EDUC 5030 (3 hours).
- Concentration Area:** EDSP 5000 (3 hours), EDSP 5010 (3 hours), EDSP 5020 (3 hours), EDSP 5030 (3 hours), EDSP 5040 (3 hours), EDSP 5111 (3 hours), and EDSP 5121 (3 hours).
- Support Area:** RDG 5010 (3 hours), and RDG 5110 (3 hours).
- Application Area:** EDUC 5950 (3 hours).

* Passing scores on PRAXIS II Pedagogy Tests are required for admission to Internship and certification in Louisiana.

Middle School Education, Grades 4–8 (507)

- **Professional Studies (507A)***

Special requirements: Minimum of 36 semester hours.
Specialized Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area:** Education 5600 (3 hours), 5610 (3 hours), and 5420 (6 hours), Reading 5010 (3 hours).
- Support Area:** Educational Psychology 5490 (3 hours), Special Education 5510 (3 hours), Reading 5150 (3 hours).
- Application Area:** Education 5950 (3 hours) or 5980 (3 hours).

* Passing score on PRAXIS II Pedagogy Test required for admission to Internship.

Middle School Education & Special Education Mild/Moderate, Grades 4–8 (541)*

- **Professional Studies (541A)**

Special requirements: minimum of 39 hours.

- Foundations:** Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area:** EDSP 5000 (3 hours), 5010 (3 hours), 5020 (3 hours), 5030 (3 hours), 5040 (3 hours), 5111 (3 hours), and 5121 (3 hours).
- Support Area:** RDG 5010 (3 hours), and 5150 (3 hours).
- Application Area:** EDUC 5950 (3 hours).

* Passing scores on PRAXIS II Pedagogy Tests are required for admission to Internship and certification in Louisiana.

Secondary Education, Grades 6–12 (508)

- **Professional Studies (508A)***

Special requirements: Minimum of 33 semester hours.
Specialized Academic Education: Admission to Alternate Certification Program.

- Foundations:** Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area:** Education 5600 (3 hours), 5610 (3 hours), and 5430 (6 hours).
- Support Area:** Educational Psychology, 5490 (3 hours), Special Education 5510 (3 hours), Reading 5150 (3 hours).
- Application Area:** Education 5950 (3 hours) or 5980 (3 hours).

* Passing score on PRAXIS II Pedagogy Test required for admission to Internship.

Secondary Education & Special Education Mild/Moderate, Grades 6–12 (561)*

- **Professional Studies (561A)**

Special requirements: minimum of 39 hours

- Foundations:** Education 5010 (3 hours), 5020 (3 hours), and 5030 (3 hours).
- Concentration Area:** EDSP 5000 (3 hours), 5010 (3 hours), 5020 (3 hours), 5030 (3 hours), 5040 (3 hours), 5111 (3 hours), and 5121 (3 hours).
- Support Area:** RDG 5010 (3 hours), and 5150 (3 hours).
- Application Area:** EDUC 5950 (3 hours).

* Passing scores on PRAXIS II Pedagogy Tests are required for admission to Internship and certification in Louisiana.

Master of Education Degrees

Curriculum and Instruction (504)

- English as a Second Language (ESL) (504J)
- English Education (504C)
- Professional Teaching Standards for the Teacher Leader (504G)
- Reading (504E)
- School Librarian (504H)
- Transition to Teaching (504I)

Early Childhood Education (547)

Special Education (524)

- Gifted Education (524A)
- Early Intervention (524C)
- Elementary (Grades 1-5) Mild/Moderate Special Education (524D)
- Middle School (Grades 4-8) and Secondary (Grades 6-12) Mild/Moderate Special Education (524E)

Curriculum and Instruction (504)

Requirements for Curriculum and Instruction in all concentration areas listed below include 36 semester hours as follows:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010, 5850.
- B. Concentration Area: To be selected from courses in the candidate's area of concentration.
- C. Support Area: Education Curriculum and Instruction 5110, 5120, 5130.
- D. Application Area: Education Curriculum and Instruction 5140.

Available Concentrations:

- **English as a Second Language (ESL) (504J)**
 - A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010, and 5850.
 - B. Support Area: Education Curriculum and Instruction 5110, 5120, and 5130.
 - C. Concentration Area: English 5060, 6640, 5540; English 5240 or Education Curriculum and Instruction 5240.
 - D. Application Area: Education Curriculum and Instruction 5140.
- **English Education (504C)**

Undergraduate preparation: valid teaching license.
Special Requirements: minimum of 36 semester hours to include:

 - A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010, and 5850.
 - B. Support Area: Education Curriculum and Instruction 5110, 5120, and 5130.
 - C. Concentration Area: English 5280, 5600, 3 hour selected 5000-level course in British Literature and 3 hour selected 5000-level course in American Literature.
 - D. Application Area: Education Curriculum and Instruction 5140.
- **Professional Teaching Standards for the Teacher Leader (504G)**

Undergraduate preparation: valid teaching license.
Prerequisites: Three years teaching experience; application to the National Board for Professional Teaching Standards: <http://www.nbpts.org>.

Special Requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020 and 5030; Education 5010 and 5850.
- B. Support Area: Education Curriculum and Instruction 5110, 5120, 5130.
- C. Concentration Area: Education Curriculum and Instruction 5200¹, 5150¹, 5160¹; Reading 5250.
- D. Application Area: Education Curriculum and Instruction 5140.

Footnote:

¹ These concentration area courses must be taken as follows in order to correlate with the candidates' progress through the National Board Certification process:

² Education Curriculum and Instruction 5200 – summer

³ Education Curriculum and Instruction 5150 – fall

⁴ Education Curriculum and Instruction 5160 – spring

• Reading (504E)

Undergraduate preparation: valid teaching license.

Special requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010, and 5850.
- B. Support Area: Education Curriculum and Instruction 5110, 5120, and 5130.
- C. Concentration Area: Reading 5210, 5250, 5710, and 6510.
- D. Application Area: Education Curriculum and Instruction 5140.

• School Librarian (504H)

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010, and 5850.

- B. Support Area: Education Curriculum and Instruction 5110, 5120, and 5130.

- C. Concentration Area: 12 hours selected from the following: Library and Information Science 5050, 5020, 5030, 5070, 5180, 5100.

- D. Application Area: Education Curriculum and Instruction 5140.

• Transition to Teaching (504I)

- A. Foundations: Curriculum and Instruction 5020, 5030; Education 5010, and 5850.

- B. Support Area: Education Curriculum and Instruction 5110, 5120, and 5130.

- C. Concentration Area: Education 5630, 5640, 5370; Educational Psychology 5480.

- D. Application Area: Education Curriculum and Instruction 5140.

Early Childhood Education (547)

Undergraduate preparation: valid teaching license.

Special Requirements: minimum of 36 semester hours to include:

- A. Foundations: Education Curriculum and Instruction 5020, 5030, Education 5010.

- B. Concentration Area: 15 hours to include: Early Childhood Education 5010 or 5510, 5520, 5530, 5540, 5550.

- C. Support Area: Early Childhood Education 5560, 5570, 5580.

- D. Application Area: 3 semester hours in Education 5850 or 5980.

Special Education (524)

Special requirements: Admission to this program requires a valid teaching certificate.

Requirements for Special Education in all concentration areas include 36 semester hours as follows:

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration: Depends on Concentration Area
- C. Support Area: Depends on Concentration Area
- D. Application Area: Education 5850.

Available Concentrations:

- **Gifted Education (524A)**

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration Area: Special Education 5830, 5840, 5860, 5870, 5890, 5900.
- C. Support Area: Educational Technology 5710, Educational Technology 5760.
- D. Application Area: Education 5850.

- **Early Intervention (524C)**

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration Area: Special Education 5310, 5320, 5350, 5370, 5960.
- C. Support Area: Reading 5020, 5710, 6510.
- D. Application Area: Education 5850.

- **Elementary (Grades 1-5) Mild/Moderate Special Education (524D)**

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration Area: Special Education 5380, 5600, Educational Psychology 5370, Reading 5710, 6510.
- C. Support Area: Educational Technology 5710, Special Education 5350, 5960.
- D. Application Area: Education 5850.

- **Middle School (Grades 4-8) and Secondary (Grades 6-12) Mild/Moderate Special Education (524E)**

- A. Foundations: Education Curriculum and Instruction 5020, 5030; Education 5010.
- B. Concentration Area: Special Education 5380, 5600, 5640, Educational Psychology 5370, Reading 5250.
- C. Support Area: Educational Technology 5710, Special Education 5350, 5960.
- D. Application Area: Education 5850.

COURSES OF INSTRUCTION

The following is a list of all courses of instruction offered by the various departments at NSU at the time of this catalog's publication. Every effort is made to be as accurate and complete as possible. Courses are listed alphabetically by subject.

Courses numbered 5000 or above are open to graduate students only.

The first figure in parentheses following each course title indicates the credit hour value of the course; the second figure indicates the number of 50-minute lecture periods the class meets per week in a regular semester; the third indicates the laboratory hours per week.

LECTURE AND LABORATORY COURSES

Each lecture course and related laboratory course is a combination taught as a unit; the two courses must be taken concurrently. If either course in such a lecture/laboratory combination is failed, it may be repeated without repeating the other. No student may use as part of his or her degree requirement a lecture course without the corresponding laboratory course (if one is available for that course) or a laboratory course without the corresponding lecture course, unless otherwise stated in the course description.

ACADEMIC SKILLS (ACSK)

For Undergraduates Only

- 1010. **STUDY SKILLS IMPROVEMENT.** (1-1-0). Study skills and test-taking techniques necessary for college success.
- 1020. **CRITICAL THINKING AND PROBLEM SOLVING.** (1-1-0). Course is designed to help encourage students to become critical thinkers. Topics include, but are not limited to, how to ask questions, how to produce many ideas, basing judgments on evidence, acknowledging complexity of information, and intellectual independence.

ACCOUNTING (ACCT)

For Undergraduates Only

- 1040. **SMALL BUSINESS ACCOUNTING.** (3-3-0). This course provides an overview of basic accounting methods used in a small business. Emphasis is placed on the fundamental bookkeeping functions that are so important for accounting in the real world. Coverage of the accounting cycle includes an in-depth use of QuickBooks® Pro to account for a transaction from the initial sale to the post-closing trial balance. Using a case-based approach, the course provides the student with the basics to account for small business transactions. Does not meet requirements for the Bachelor of Science degree in Accounting.
- 2000. **FINANCIAL ACCOUNTING.** (3-3-0). Introduction to financial accounting for business entities. Analysis of business transactions; recording and reporting principles; income measurement and asset valuation for financial reporting. Prerequisite: Mathematics 1020, English 1010.
- 2010. **MANAGERIAL ACCOUNTING.** (3-3-0). Cost accounting principles and systems, planning, budgeting, and control systems; analytical uses of accounting information for decision making. Not available as an elective for accounting majors. Prerequisite: 2000.
- 2020. **PRINCIPLES OF PERSONAL INCOME TAX.** (3-3-0). A procedure oriented course designed to enable an individual to determine their tax liability. Does not meet requirements for the Bachelor of Science degree in Accounting.
- 3050. **GOVERNMENTAL ACCOUNTING.** (3-3-0). Accounting theory and practice applied to governmental units, state operated schools and colleges; classification and use of funds; fiscal procedures; budgetary control; financial statements; reports. Prerequisite: 2010.
- 3060. **INCOME TAXES.** (3-3-0). Federal income taxation: emphasis is on accounting and taxation concepts as they relate to individuals. This course provides the foundation for further study, either through research or formal study. Prerequisite 2000 and 2010.
- 3080. **COST ACCOUNTING.** (3-3-0). Cost control of industries; job order and process cost systems. Prerequisite: 2000 and 2010.

- 3100. **NATURAL RESOURCES ACCOUNTING AND TAXATION.** (3-3-0). Terminology; lease agreements; production activities; revenue, operating cost, and reporting problems; natural resources rights and conveyances of natural resources properties, and sharing arrangements. Prerequisite: 3060.
- 3180. **INTERMEDIATE ACCOUNTING I.** (3-3-0). In-depth study of financial accounting theory and problems, with emphasis on asset valuation on the balance sheet. Prerequisite: 2000 and 2010.
- 3190. **INTERMEDIATE ACCOUNTING II.** (3-3-0). A continuation of 3180 with special emphasis on liabilities, stockholders equity, and introduction to the income statement. Prerequisite: 3180.
- 3200. **INTERMEDIATE ACCOUNTING III.** (3-3-0). An intensive study of the theory and methods of accounting and reporting for such topics as pensions, leases, cash flows, analysis of errors and changes, full disclosure, and ethical considerations. Prerequisite: 3180.
- 4020. **ADVANCED ACCOUNTING.** (3-3-0). Problems related to partnerships, branches, consolidations, foreign exchange, estates and trust, consignments, installment sales and other topics. Prerequisite: 3190 or 3200.
- 4080. **AUDITING.** (3-3-0). Problems encountered by practicing public accountant; types of audits; ethics of profession; preparation of auditor's working papers and reports. Prerequisite: 3190 or 3200.
- 4120. **FRAUD EXAMINATION.** (3-3-0). A rigorous coverage of the major methods employees use to commit occupational fraud. The course focuses on why occupational fraud is committed, how fraudulent conduct can be deterred, and how allegations of fraud should be investigated and resolved. Prerequisite: 3080 or 3180.
- 4130. **ADVANCED COST ACCOUNTING.** (3-3-0). Standard cost; setting standards; analysis of variances. Prerequisite: 3080.
- 4140. **CORPORATION INCOME TAXES.** (3-3-0). Federal tax principles with emphasis on the corporation, estates, trust, and gift laws. Prerequisite: 3060.
- 4150. **ACCOUNTING THEORY.** (3-3-0). Nature and theory of accounting; concepts and principles underlying financial statements and their presentation. Prerequisite: 3190 or 3200.
- 4220. **STATEMENT ANALYSIS.** (3-3-0). Comparative analysis of financial statements; information processing and reporting for the purpose of understanding accounting information. Emphasizes the concepts associated with compilations and review services performed in accordance with generally accepted accounting principles. (This course is the same as FIN 4220). Prerequisite: 3190.
- 4260. **ACCOUNTING SYSTEMS.** (3-3-0). Design and implementation of accounting systems; utilization of electronic data processing. Prerequisite: 3080 and 3180.

ADDICTION STUDIES (AS)

For Undergraduates Only

- 1010. INTRODUCTION TO ADDICTION DISORDERS.** (3-3-0). Overview of the causes and consequences of addictions as they relate to the individual, family, community, and society are discussed. Response alternatives regarding intervention, treatment, education, and prevention are reviewed. Competencies and requirements for licensure/certification in Louisiana and Knowledge, Skills and Attitudes of Professional Practices as described in Technical Assistance Publication Series (TAP 21) are explained. Addiction issues related to diverse populations are presented.
- 12050. FAMILY DYNAMICS.** (3-3-0). An introduction to the family as a dynamic system focusing on the effects of addiction pertaining to family roles, rules, and behavior patterns. Discuss the impact of mood altering substances of the family and therapeutic alternatives as they relate to the family. Prerequisite: 1010.
- 12430. SCREENING AND ASSESSMENT.** (3-3-0). Examine the purpose of screening and assessment as well as screening and assessment processes, methods, and instruments. The importance of screening and assessment as the first stage of effective substance abuse treatment will be explored. Prerequisite: 1010.
- 12450. CASE MANAGEMENT.** (3-3-0). This course will provide an overview of the process involved in case management and the skills needed to effectively design and implement treatment plans with individuals who present with substance and behavioral addictions. Prerequisite: 1010.
- 13010. ADDICTION COUNSELING SKILLS.** (3-3-0). A survey of the applications of psychological concepts and principles to counseling methods, competencies in Knowledge, Skills and Attitudes for the therapeutic treatment of psychological problems including addiction-related disorders. Emphasis on behavioral, cognitive, client-center, motivational interviewing, and psychoanalytic techniques of therapy. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- 13020. DYNAMICS OF GROUP COUNSELING.** (3-3-0). An introduction to the patterns and dynamics of group interactions across the life span. Focus includes structure, types, stages, development, leadership, and therapeutic factors of group counseling. Effective group facilitation skills and techniques used to address special population issues and needs are covered.
- 14040. SPECIAL POPULATIONS.** (3-3-0). Examines ethnic/cultural factors that may affect a person's attitudes toward alcohol and other drugs, pattern of substance use, reasons for seeking treatment, and responsiveness to various interventions. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.
- 14450. CO-OCCURRING DISORDERS.** (3-3-0). The treatment of co-existing chemical dependency and psychiatric disorders. Provides a framework for assessment and treatment and describes a range of effective counseling and motivational strategies. Prerequisite: 12 credit hours in psychology (including 4450) and/or Addiction Studies or consent of instructor.
- 14500. PHARMACOLOGY OF ADDICTION.** (3-3-0). Psychological, physiological, and sociological effects of mood altering substances and behaviors and their implications for the addiction process are discussed. Emphasis is placed on pharmacological effects of tolerance, cross addiction, dependency/withdrawal, and drug interaction. Prerequisite: PSYC 3010 and 9 hours in Psychology or Addiction Studies.
- 14510. ETHICS FOR ADDICTION PROFESSIONALS.** (3-3-0). Learning about appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a substance abuse counselor, including counseling, assessment, research and teaching. Prerequisite: 12 credit hours in Addiction Studies or consent of instructor.

ALLIED HEALTH (ALHE)

For Undergraduates Only

- 1020. MEDICAL TERMINOLOGY.** (2-2-0). Breaking down and defining common medical terms used in effective communication. (Same as Veterinary Technology 1020).
- 2200. CULTURAL AND ETHICAL INFLUENCES ON HEALTH CARE.** (2-2-0). To provide a foundation for the provision of ethical, culturally sensitive healthcare. Professional values, cultural, and ethical influences on professional practices will be discussed. Prerequisite: Completion of at least 15 hours of the first semester of the Radiologic Sciences Curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee admission into Radiologic Sciences courses.
- 3840. ADVANCED PATIENT CARE AND ASSESSMENT.** (3-3-0). The knowledge and techniques of physical basic assessment for patients throughout the lifespan. Concepts of basic level pharmacology and EKG procedures. Prerequisites: Junior standing or consent of the department head. Corequisite: Credit or registration in RADS 3811, 3820, and 3830.
- 3900. TRANSITION INTO PROFESSIONAL HEALTHCARE.** (2-2-0). Provides the framework for transition for the registered healthcare professional. Explores current professional issues in the healthcare environment. Prerequisite: Junior standing or consent of department head.
- 4230. HEALTH INFORMATICS.** (3-3-0). This course provides an introduction to health informatics including definitions, concepts, models and theories. The student is introduced to application within health informatics, as well as literature of the field. Prerequisite: Junior standing or consent of the department head.
- 4430. EDUCATION IN ALLIED HEALTH.** (3-3-0). This course will provide an introduction to techniques for instruction, supervision, and evaluation of clinical allied health students. Prerequisite: Junior standing or consent of the department head.
- 4520. RESEARCH IN HEALTHCARE.** (3-3-0). Foundations of research in healthcare, including its definition and characteristics, purposes, quantitative and qualitative methodologies, ethical considerations, and relationship to the health care of individuals, families, groups, and communities. Prerequisite: Junior standing or consent of the department head.
- 4600. TEAMWORK AND LEADERSHIP CHALLENGES FOR THE HEALTHCARE PROFESSIONAL.** (4-4-0). Content is designed to provide the skills necessary for the healthcare professional to provide leadership in workplace performance and professional development to promote efficient and effective patient care. Prerequisite: Junior standing or consent of the department head.
- 4630. HEALTHCARE ORGANIZATION AND MANAGEMENT.** (3-3-0). An introduction to application theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities. Prerequisite: Junior standing or consent of the department head.
- 4900. DIRECTED STUDY.** (5-5-0). Supervised directed study in selected topics in the healthcare environment for the registered healthcare professional. May be repeated for credit when topic varies. Prerequisite: Approval of the program director.

ANTHROPOLOGY (ANTH)

For Undergraduates Only

- 1510. THE WAYS OF HUMANKIND: AN ANTHROPOLOGICAL PERSPECTIVE.** (3-3-0). Nature and mechanism of culture. How cultures are organized and work on a worldwide basis. Cultural systems of communication, kinship, technology, religion and magic.

1. Addiction Studies courses can be used as behavioral science electives.

- 2010. ORIGIN OF CULTURES: AN INTRODUCTION TO HUMAN PREHISTORY.** (3-3-0). An introduction to the origin and development of the hominids and of culture.
- 2020. GENERAL ANTHROPOLOGY.** (3-3-0). An introduction to basic cultural anthropology: on language and culture, social structures, and applied anthropology.
- 3020. PRINCIPLES OF ARCHAEOLOGY.** (3-3-0). Concepts and methods; archaeology in the social sciences; problems in North American prehistory.
- 3030. THE NORTH AMERICAN INDIAN.** (3-3-0). Ethnology of the Indian tribes of the U.S. and Canada; major culture areas at the time of European contact; contemporary social and economic conditions. Prerequisite: Junior standing.
- 3040. INDIANS OF THE SOUTHEASTERN UNITED STATES.** (3-3-0). Ethnology of major Indian tribes; Indians of Louisiana and their neighbors. Prerequisite: Junior standing.
- 3050. BIOLOGICAL ANTHROPOLOGY.** (3-3-0). Survey of human evolution and biological variation, including basic osteology and forensic aspects of anthropology. Prerequisites: 2010 or Biology 1010, 1011 and 1020, 1021.
- 3060. NORTH AMERICAN PREHISTORY.** (3-3-0). Survey of North American Prehistory focusing on prehistoric cultural diversity, social and technological developments, and environmental adaptation in the major culture areas of the continent.
- 3110. PRINCIPLES OF ETHNOGRAPHY.** (3-3-0). Concepts and methods of studying contemporary folk cultures; ethnographic approaches to types of cultural expression such as mythology and folklore, arts and crafts, kinship systems, architecture, music.
- 4040. CREOLE STUDIES: A PRO-SEMINAR.** (3-3-0). This course is designed to give students knowledge about the socio-cultural processes involved in the development and maintenance of societies that identify as Creole communities. Emphasis will be on, but not confined to, Louisiana and the Caribbean. Prerequisites: ANTH 2020 or SST 3030 or HIST 3040, or permission of the instructor.
- 4050. CREOLE ETHNOGRAPHY.** (3-3-0). This course is designed to introduce students to Louisiana Creole culture and ethnohistory. Students will examine concepts of Creole Identity; learn about Creole cultural landscapes, language, religious practices, rites of passage, oral traditions, and material culture. Students will also examine Creole culture within broader issues of social change and continuity, and explore social diversity within the parameters of Creole culture. Prerequisites: ANTH 2020, ANTH 3110, SST 3030, or permission of instructor.
- 4060. SPECIAL PROBLEMS.** (3-3-0). Prerequisite: minor in anthropology, senior standing, consent of instructor.
- 4080. ANTHROPOLOGICAL THEORY.** (3-3-0). Development of ethnological thought in its historical context. Prerequisite: Senior standing and 12 semester hours in anthropology.
- 4100. FIELD PROBLEMS IN ARCHAEOLOGY.** (6-1-10). Techniques and materials of archaeological excavation; field surveying and recording, care and interpretation of material; field work in Louisiana. Prerequisite: 2010, 3020, and junior standing.
- 4110. HISTORIC SITE ARCHAEOLOGY AND DEVELOPMENT.** (6-1-10). Techniques and skills using archaeological methods on documented sites: site preservation and development, active excavations, restoration and other field work (archival modeling) to be expected. Prerequisite: 2010, 3020, or permission of instructor.
- 4130. MUSEUM AND HISTORIC SITE DEVELOPMENT.** (3-3-0). Designing and administering small museums. Theory, design, and funding of public museums and developmental programs. Prerequisite: 3020 or any upper-level history class with permission of instructor.
- 4140. HISTORICAL ARCHAEOLOGY: SURVEY AND METHODS.** (3-3-0). An overview of the development of the archaeology of historic sites, its theory and method on North America and the Caribbean. Prerequisite: 2010, 3020, History 2010 and/or 2020, or permission of instructor.

- 4150. HISTORY OF ARCHAEOLOGICAL THOUGHT.** (3-3-0). An introduction to the major theoretical trends in archaeological interpretation from a chronological perspective. Prerequisite: 2010, 2020, 3020 or consent of instructor.
- 4160. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). A course in descriptive linguistics including historical, geographical, and structural linguistics. (Same as English 4110).
- 4200. FIELD TECHNIQUES IN UNDERWATER ARCHAEOLOGY.** (3-3-0). An overview of methods used in underwater archaeology, including: archaeological survey and remote sensing, underwater site recording and excavation, preliminary artifact conservation, and laboratory analysis. Prerequisites: 3020, or consent of instructor, and open water diving certification.
- 4400. UNDERSTANDING INTERNATIONAL CULTURES: STUDY ABROAD.** (3-3-0). This course provides the student with an introduction to the archaeology and present culture of a selected country, both in the classroom and as a study abroad experience. The course will culminate in a mandatory foreign travel experience to study the archaeology and culture of the selected country first-hand. Expenses incurred are to be paid by the participant. Students are responsible for their own travel costs. All students taking the course must purchase student insurance. Students must contact the instructor prior to enrolling in this course. Prerequisites: Sophomore standing and either ANTH 1510, 2010 or 2020, or consent of instructor.
- Subtitles:
01 – Egypt, Past and Present
02 – Peru, Past and Present
- 4980. SPECIAL TOPICS IN ANTHROPOLOGY.** (3-3-0). Detailed survey of specialized topics of archaeological interest. May be repeated for credit when topics vary. Prerequisites: ANTH 1510, 2010, or consent of instructor. Corequisite: ANTH 4981.
- Subtitles:
01 – Experimental Archaeology
02 – Science and Pseudoscience in Archaeology
- 4981. SPECIAL TOPICS IN ANTHROPOLOGY LABORATORY.** (1-0-3). Laboratory to accompany "Special Topics in Anthropology" lecture course. May be repeated for credit when topics vary. Prerequisites: ANTH 1510, 2010, or consent of instructor. Corequisite: ANTH 4980.
- Subtitles:
01 – Experimental Archaeology Laboratory
02 – Science and Pseudoscience in Archaeology Laboratory

For Graduates Only

- 5010. SEMINAR IN ANTHROPOLOGY.** (3-3-0). Reading and research on topics.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise to specific areas of public folklore. Prerequisite: 3110, or English 4670. (Same as English 5720).

ART (ART)

For Undergraduates Only

- 11010. DESIGN I.** (3-1-5). Foundation for art and graphic communications. Introduction to elements of design and principles of visual organization via theory and application of two-dimensional creative expression.
- 11020. DESIGN II.** (3-1-5). Continuation of Design I. Focus on color theory and the affect/effect relationships of color. In addition, Design II seeks the coalescence of design elements and principles in the development of two-dimensional work. Prerequisite: 1010 or consent of instructor.
- 11060. DRAWING I.** (3-1-5). Understanding visual organization and structure expression by delineation and modeling; drawing media.

- 1070. DRAWING II.** (3-1-5). Continuation of 1060.
- 1150. INTRODUCTION TO ART.** (3-3-0). An introduction to the art world and all its aspects; the people who are active in that world, the many kinds of work that are created, the sensations and ideas we receive from those works, and the way the life of art has transmitted across many times and places.
- 1350. SCULPTURE I.** (3-1-5). Theory and techniques of three-dimensional art; planning, plaster modeling, welded forms, woodcarving and constructions. Prerequisite: 1010 or consent of instructor.
- 2000. CERAMICS I.** (3-1-5). Elementary ceramic design; hand building, and wheel-throwing of pottery; decoration, glazing, and firing. Prerequisite: 1350 or consent of instructor.
- 2020. DRAWING III.** (3-1-5). Individual creative expression in still-life and landscape studies. Prerequisite: 1070.
- 2040. ART EDUCATION I.** (2 or 3-1-5). Laboratory experience with media and techniques for elementary grades; educational implications and associated problems.
- 2060. CERAMICS II.** (3-1-5). Techniques of mold making, casting, ceramic sculpture; clays and glazes, their working and firing characteristics; kiln operation. Prerequisite: 2000.
- 2120. FIGURE DRAWING I.** (3-1-5). Foundational studies in drawing the human form. Prerequisite: 1060. Will substitute in Art core for 1070.
- 2130. FIGURE DRAWING II.** (3-1-5). Continuation of 2120. Prerequisite: 1070 or 2120. Will substitute in Art core for 2020.
- 2140. PAINTING I.** (3-1-5). Problems of design and representation in acrylic media; development of pictorial composition through techniques and media for visual expression. Prerequisites: 1010, 1060, or consent of instructor.
- 2160. CREATIVE TECHNOLOGY.** (2-1-5). Basic understanding of industry-standard computer software used by graphic designers. Prerequisite: 1020 or consent of the instructor.
- 2270. CRAFTS I.** (3-1-5). Crafts, beginning level. Prerequisite: 1350.
- 2280. INTRODUCTION TO TEXTILES.** (3-1-5). Focuses on three basic areas of concentration: printing, fiber sculpture, and weaving through hands-on processes, such as twining, plaiting, spinning, knitting, dyeing, hand-printing, and loom-weaving. In addition, this class investigates historical and ethnographic antecedents of the genre, providing a springboard for the development of contemporary practices. Prerequisites: 1010 and 1020.
- 2290. PHOTOGRAPHY I.** (3-1-5). Theory and skills in making the digital photographic image. Small cameras, lenses, filters; lighting techniques, introduction to digital manipulation procedures.
- 2340. PAINTING II.** (3-1-5). Advanced problems in pictorial organization in oils, watercolor, lacquers, media and methods for stimulating individual expression. Prerequisite: 2140.
- 2350. SCULPTURE II.** (3-1-5). Continuation of 1350.
- 2560. GRAPHIC COMMUNICATION I.** (3-1-5). Development of a conceptual approach to visual literacy through creative thinking and problem solving exercises.
- 3000. CERAMICS III.** (3-0-6). Continuation of 2060. Prerequisite: 2060.
- 3010. PAINTING III.** (3-1-5). Watercolor painting, transparent watercolor techniques. Prerequisite: 2340, or consent of instructor.
- 3020. DRAWING IV.** (3-1-5). Varied media with advanced problems and experimentation with drawing materials. Prerequisite: 2020.
- 3040. ART EDUCATION II.** (3-1-4). Children's art and its relationship to their healthy mental, emotional and creative growth; media and methods of stimulation at various stages of development; problems of evaluation. Prerequisite: 2040.
- 3130. FIBER II.** (3-1-5). Off-loom construction techniques of single and multiple element structures including wrapping, netting, knotting, plaiting, rope making and felting will be examined. Both two- and three-dimensional construction will be explored. The techniques introduced will be further examined through academic research and presentation related to contemporary quilt and embroidery. Students are encouraged to collect, salvage and mix materials relevant to their developed concepts. The discussions, reviews and slide lectures provide technical and conceptual critique and review of the introduced context and help students as they create a body work throughout the semester. Prerequisites: 2280, 1010, 1020.
- 3210. PAINTING IV.** (3-1-5). Advanced problems in pictorial organization in oils; experimentation with visual forms for individual expression. Prerequisite: 3010 or consent of instructor.
- 3240. HISTORY OF DESIGN.** (3-3-0). History of Design from prehistoric written communication systems through its evolution to the present. Prerequisites: 3520, 3530, and familiarity with multi-media or consent of instructor.
- 3250. PAINTING V.** (3-1-5). Advanced problems in pictorial organization in acrylic media; currently acceptable standards of stylization. Prerequisite: 3210.
- 3260. CERAMICS IV.** (3-1-5). Advanced form, original glaze formulation; kiln operation. Prerequisite: 3000.
- 3270. CRAFTS II.** (3-1-5). Advanced experience in the design and construction of various craft projects. May be repeated for a total of six hours credit when topic varies. Prerequisite: 2270.
- 3280. PRINTMAKING I.** (3-1-5). Basic printmaking techniques; woodcut, collagraph, silkscreen, etching, engraving. Prerequisite: 1010, 1060 or consent of instructor.
- 3350. SCULPTURE III.** (3-1-5). Continuation of 2350.
- 3410. NEW MEDIA DESIGN I.** (3-1-4). Introduction to the concepts, processes and technologies involved in designing for the web. Prerequisite: 3560 or consent of instructor subsequent to portfolio review.
- 3520. ART HISTORY I.** (3-3-0). Prehistoric through medieval art. Prerequisite: FA 1040 or ART 1150, sophomore standing.
- 3530. ART HISTORY II.** (3-3-0). Renaissance through early modern contemporary trends. Prerequisite: FA 1040 or ART 1150, sophomore standing.
- 3540. ART HISTORY III.** (3-3-0). History of art from the rise of Modernism to present. Theories of art history and seminal writings are explored.
- 3560. GRAPHIC COMMUNICATION II.** (3-1-5). Typographic conventions and the expressive possibilities of type. Exploration and experimentation with letter, word, text and methods of organization. Prerequisite: 2560.
- 3580. PRINTMAKING II.** (3-1-5). Emphasizing one medium specializing in color techniques. Prerequisite: 3280.
- 3650. SCULPTURE IV.** (3-1-5). Continuation of 3350.
- 3810. NEW MEDIA DESIGN II.** (3-1-4). Introduction to interactive and motion design including the concepts and technologies specific to web based multimedia applications and environments.
- 3880. FIBER III.** (3-1-5). In this course students will explore the conceptual and tactile physicality of surface through building layers. The studied techniques are hand and machine sewing, piecing, appliqué and embroidery with various materials. Several stitchery methods used in diverse cultures will be investigated in relationship to their historical use and their relevance to the contemporary culture. The techniques introduced will be further examined through academic research and presentation related to contemporary quilt and embroidery. Students are encouraged to collect, salvage and mix materials relevant to their developed concepts. The discussions, reviews and slide lectures provide technical and conceptual critique and review of the introduced context and help students as they create a body work throughout the semester. Prerequisites: 2280, 1010, 1020.
- 3960. GRAPHIC COMMUNICATION III.** (3-1-5). Experience with the production of typography, graphic layouts and image/text unification. Prerequisite: 3560.
- 4030. ADVANCED STUDIO PROBLEMS.** (3-1-5). Work with a member of the faculty in advanced studio problems. May be repeated for nine hours toward an undergraduate degree when topic varies. Prerequisites: Junior standing, six hours in art. Subtitles: 01-Painting, 02-Drawing, 03-Sculpture, 04-Design, 05-Ceramics, 06-Advertising Art, 07-Watercolor, 08-Stained Glass, 09-Graphics.

4320. **SCULPTURE V.** (3-1-5). Continuation of 3650.
4390. **PHOTOGRAPHY II.** (3-1-5). Continuation of 2290. Prerequisite: 2290.
4400. **COMMERCIAL ILLUSTRATION.** (3-1-5). Planning and execution of a complete design project such as web-site design, multimedia design, computer graphics, illustration of sequential art. Prerequisite: senior standing.
4450. **PAINTING VI.** (3-1-5). Advanced problems in pictorial organization in watercolor. Prerequisite: 3010, or consent of instructor.
4460. **CERAMICS V.** (3-1-5). Clays, glazes, computation, and measurements. Prerequisite: Consent of instructor.
4480. **PRINTMAKING III.** (3-1-5). Emphasizing advanced technical processes. Prerequisite: 3580.
4490. **PHOTOGRAPHY III.** (3-1-5). Improved techniques and advanced lighting. Wet media film photography. Introduction to 35 mm cameras and techniques. Basic darkroom techniques, B&W film processing and printing. Use of various formats as applied to professional photographers. Prerequisite: Consent of instructor.
4560. **GRAPHIC COMMUNICATION IV.** (3-1-5). The development of visual solutions to communication problems through a process guided methodology of examination, investigation, ideation and evaluation. Prerequisite: 3960.
4590. **SPECIAL PROBLEMS IN PHOTOGRAPHY.** (3-3-0). Student selects an area of photography to be investigated in depth. Many include new technical applications and equipment, creative theme development in black and white, color, film-making, or a combination of any of these. Student must present a paper or creative project at the end of the course. Prerequisite: 4490, or consent of instructor.
4610. **NEW MEDIA DESIGN III.** (3-1-4). Contemporary problems in new media design including concept development and visualization, practical application of nonlinear navigation systems and information architectures, media integration and device independent design.
4690. **PORTRAIT PHOTOGRAPHY.** (3-3-0). Fundamentals of portrait lighting, posing, retouching and camera technique. Psychology and technology needed to create a professional portrait; business aspects of the portrait photographer. Prerequisites: 4490.
4780. **PRINTMAKING IV.** (3-1-5). Advanced printmaking, personal experimentation with mixed media appropriate to individual pursuits. Refinement of technical competence and proficiency. Prerequisite: 4480.
4810. **NEW MEDIA DESIGN IV.** (3-1-4). Advanced new media types, applications and outcomes. The utilization of multiple media technologies in the development of web, interactive and experimental projects. Experimentation with video, motion graphics and 3-D communications design and development of a digital portfolio.
4890. **ADVERTISING AND COMMERCIAL PHOTOGRAPHY.** (3-3-0). High technical quality and mechanics and techniques of commercial and advertising photography. Students learn to photograph a variety of commercial subjects using the large format camera. Prerequisites: 4490.
4960. **GRAPHIC COMMUNICATION V.** (3-1-5). Continuation of 4560. Prerequisite: 4560 or consent of instructor.
4980. **PROFESSIONAL PRACTICE.** (1-1-0). Exploration of current trends in the professional practice of art. Includes portfolio preparation, proposal and preparation of the senior exhibition, and research and preparation for internship.
4990. **SENIOR EXHIBITION.** (2-1-3). Finalization and installation of senior exhibition. All Art Majors must take 4990 their senior year to satisfy graduation requirements. Prerequisites: 4980 and senior standing.

For Graduates Only

5010. **ADVANCED PROBLEMS IN PAINTING.** (3-1-5). Contemporary trends; research and laboratory practice in painting problems. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
5020. **ADVANCED PROBLEMS IN DRAWING.** (3-1-5). Contemporary trends; research and laboratory practice in drawing problems. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
5080. **ADVANCED PROBLEMS IN DESIGN.** (3-1-5). Work in design-related subjects. Prerequisite: Consent of instructor. May be repeated for a total of six hours credit when topic varies.
5090. **ADVANCED PROBLEMS IN PHOTOGRAPHY.** (3-1-5). Student selects an area of photography to be investigated in depth. May include new technical applications and equipment, creative theme development in black and white, color, filmmaking, or a combination of any of these. Student must present a paper or creative project at the end of the course. May be repeated for a total of six hours credit when topic varies.
5110. **ADVANCED PROBLEMS IN CRAFTS.** (3-1-5). Advanced experience in the design and construction of various craft projects. Prerequisite: Consent of instructor. May be repeated for a total of twelve hours credit when topic varies. Subtitles: 01 - Stained Glass, 02 - Musical Instrument Construction, 03 - Exhibition Techniques, 04 - Mixed Media.
5130. **ADVANCED PROBLEMS IN SCULPTURE.** (3-1-5). Exploration in a specialized direction of personal significance. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5140. **EXPERIMENTAL STUDIO.** (3-1-5). Work with a member of the faculty in new and experimental studio problems. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5220. **ADVANCED GRAPHICS.** (3-1-5). Exploration in a specialized direction of personal significance. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5240. **GRADUATE STUDIO.** (3 to 6-1-5). Advanced studio problems. Students must meet with instructor to approve specific problem in writing prior to registration. Prerequisite: Consent of instructor. May be repeated for a total of fifteen hours credit when topic varies. Subtitles: 01 - Painting, 02 - Drawing, 03 - Sculpture, 04 - Design, 05 - Ceramics, 06 - Advertising Art, 07 - Watercolor, 08 - Stained Glass, 09 - Photography, 10 - Graphics.
5420. **ADVANCED PROBLEMS IN WATERCOLOR.** (3-1-5). Further experimentation with watercolor as a medium. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5440. **ADVANCED PROBLEMS IN CERAMICS.** (3-1-5). Clays, glazes, computation, and measurements. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5450. **ADVANCED PROBLEMS IN COMMERCIAL ART.** (3-1-5). Planning and execution of a complete design project such as a web-site design, multimedia design, computer graphics, illustration of sequential art. Prerequisite: Consent of the instructor. May be repeated for a total of six hours credit when topic varies.
5460. **RESEARCH IN ART HISTORY.** (3 to 6-6-0). Research in art history. Prerequisite: Consent of instructor.
5700. **ADVANCED PROBLEMS IN NEW MEDIA DESIGN.** (3-1-4). Advanced problem/solution equations involving research and experimentation. Prerequisite: Graduate status and consent of instructor subsequent to portfolio review.
5900. **GRADUATE SEMINAR.** (3-3-0). Discussion of contemporary trends and developments in art; investigation of studio or theoretical problems.
5950. **RESEARCH IN ART.** (3 to 6-3-0). Research techniques and their application in visual arts; preparation of prospectus.

¹ Minimum grade of C required of art majors.

² If six hours are to be taken during one semester, they must be divided between two areas of study. May be repeated for a maximum of nine semester hours.

5970. **CREATIVE RESEARCH DOCUMENTATION.** (3-3-0). Research Techniques and their application in the field of visual arts through intensive individual investigation in the use of primary sources of documentation – graduate thesis part one.
5980. **CREATIVE RESEARCH EXHIBITION.** (3-3-0). Continuation of Art 5970. Research techniques and their application in the field of visual arts through intensive individual investigation and application – graduate thesis part two.

BIOLOGY (BIOL)

For Undergraduates Only

1010. **BIOLOGICAL PRINCIPLES I.** (3-3-0). This is the first course in a three-part survey of fundamental biological science at NSU (Biology 1020 and 2020 are the other two parts). Emphasis is placed on the molecular basis of life, cell structure, metabolism, reproduction, genetics, and gene expression. Corequisite: BIOL 1011. (Students may not receive credit for both Biology 1010 and Science 1020).
1011. **BIOLOGICAL PRINCIPLES LABORATORY I.** (1-0-2). This is a companion laboratory of BIOL 1010. Corequisite: BIOL 1010.
1020. **BIOLOGICAL PRINCIPLES II.** (3-3-0). This is the second course in a three-part survey of fundamental biological science at NSU (Biology 1010 and 2020 are the other two parts). Emphasis is placed on diversity of life on earth, and animal form, function, and development. Prerequisite: BIOL 1010-1011; Corequisite: BIOL 1021. (Students may not receive credit for both Biology 1020 and Science 2020).
1021. **BIOLOGICAL PRINCIPLES LABORATORY II.** (1-0-2). This is a companion laboratory of BIOL 1020. Corequisite: BIOL 1020.
1060. **MEDICAL TERMINOLOGY.** (3-3-0). The study and practical application of a medical vocabulary system. Includes structure, recognition, analysis, definition, spelling, pronunciation, and combination of medical terms from prefixes, suffixes, and roots.
2000. **INTRODUCTION TO MARINE ZOOLOGY.** (4-4-0). Survey of marine animals particularly those of the Louisiana Gulf Coast, including classification, morphology, physiology and ecology. Prerequisites: Eight semester hours of biology. Offered summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
2020. **BIOLOGICAL PRINCIPLES III.** (3-3-0). This is the third course in a three-part survey of fundamental biological science at NSU (Biology 1010 and 1020 are the other two parts). Emphasis is placed on plant form and function, ecology, behavior, and evolution. Prerequisites: BIOL 1010, 1020. Co-requisite: BIOL 2021.
2021. **BIOLOGICAL PRINCIPLES LABORATORY III.** (1-0-2). This is a companion laboratory for BIOL 2020. Prerequisite: registration in or credit for BIOL 2020.
2030. **INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification. Prerequisite: satisfactory completion of the mathematics core (six hours). Corequisite: Enrollment in 2031.
2031. **INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Computer exercises on various topics in GIS. Corequisite: Enrollment in 2030.
2040. **INTRODUCTORY ANIMAL SCIENCE.** (3-3-0). Modern animal agriculture; problems of breeding, feeding, management, and marketing.
2050. **INVERTEBRATE ZOOLOGY.** (2-2-0). Morphology, taxonomy, physiology, life history, evolution, ecology, and economic importance of the major invertebrate phyla. Prerequisites: Registration in or credit for 2051; Biology 1020-1021.
2051. **INVERTEBRATE ZOOLOGY LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 2050.
2060. **INTRODUCTORY MICROBIOLOGY.** (3-3-0). This introductory course is designed to acquaint students with microorganisms and their activities. Topics covered include microbial cell structure and function, metabolism, and genetics, as well as the control of microbial growth, and the role of microorganisms in disease. Corequisite: BIOL 2061. (Students may not receive credit for both BIOL 2060 and BIOL 1130.)
2061. **INTRODUCTORY MICROBIOLOGY LABORATORY.** (1-0-3). This course is designed to introduce students to basic techniques in microbiology, such as laboratory safety, aseptic technique, microscopy, staining, culturing, and quantification. Corequisite: BIOL 2060.
2070. **FORENSIC ENTOMOLOGY.** (3-3-0). The scientific examination of insects and other arthropods associated with the decomposition of human and animal remains, feedstuffs, as well as insects or their parts associated with humans or their activities. Prerequisite: BIOL 1020-1021. Co-requisite: 2071.
2071. **FORENSIC ENTOMOLOGY LABORATORY.** (1-0-3). The forensic entomology laboratory will familiarize students with the biology and identification of insects and other arthropods of forensic significance. Co-requisite: 2070.
2080. **COMPARATIVE ANATOMY.** (2-2-0). The vertebrate systems, morphology, taxonomy, and evolution of the chordate groups; comparative dissections of dogfish, necturus and cat. Prerequisites: Biology 1020-1021. Co-requisite: Biology 2081.
2081. **COMPARATIVE ANATOMY LABORATORY.** (2-0-4). Co-requisite: BIOL 2080.
2100. **GENERAL BOTANY.** (2-2-0). Structure and functions of plant cells, tissues, and organs; nutrition, metabolism, water relations, growth of plants. Prerequisite: Registration in or credit for 2101; Biology 1020-1021 or consent of instructor.
2101. **GENERAL BOTANY LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 2100.
2120. **SOIL SCIENCE.** (2-2-0). Fundamentals. Origin, composition, and classification of soils; their physical, chemical, and biological properties; significance of these properties to soil-plant relationships and soil management. Prerequisite: registration in or credit for CHEM 1040, 1031, 1041, or 1070. Co-requisite: BIOL 2121.
2121. **SOIL SCIENCE LABORATORY.** (1-0-2). Co-requisite: BIOL 2120.
2140. **INTRODUCTORY PLANT TAXONOMY.** (1-1-0). Identification and classification of local seed plants and ferns; field trips and collections; keys, manuals and herbaria. Prerequisite: Registration in or credit for 2141; Biology 1020-1021.
2141. **INTRODUCTORY PLANT TAXONOMY LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 2140.
2150. **DENDROLOGY.** (2-2-0). Principal trees of Southeast U.S.; identification and distribution; introduction to keys. Prerequisite: Registration in or credit for 2151.
2151. **DENDROLOGY LABORATORY.** (1-0-2). Field identification of trees of Southeast U.S. Prerequisite: Registration in or credit for 2150.
2180. **NATURAL RESOURCES POLICY.** (3-3-0). This course examines the evolution of wildlife, fisheries, and other natural resources policy, law, and administration in the United States. Historical development, present laws, and likely future trends will be examined. Emphasis will be placed on federal laws and agencies, along with the influence of federal policies on state agencies. Additional topics include a survey of the administration and responsibilities of Louisiana's natural resources agencies, the influence of non-government organizations on natural resources policy, and international policies.

2200. **GENERAL PARASITOLOGY.** (2-3-0). Ecto-and endoparasites of animals; parasites of public health importance; control measures. Prerequisites: BIOL 1010-1011, 1020-1021. Co-requisite: BIOL 2201. Same as Veterinary Technology 2100.
2201. **GENERAL PARASITOLOGY LABORATORY.** (2-0-2). This is companion a companion laboratory of BIOL 2200. Co-requisite: BIOL 2200. Same as Veterinary Technology 2101.
2210. **MICROBIOLOGY FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). An introduction to the subject of microbiology, including: basic microbial cell structure and function, microbial metabolism, control of microbial growth, and the impact of microbes on human health. Students may not receive credit for this course and BIOL 2060. Co-requisite: BIOL 2211 (for BSN majors only).
2211. **MICROBIOLOGY LABORATORY FOR NURSING AND ALLIED HEALTH MAJORS.** (1-0-3). An introduction to the standard techniques of microbiology, used to demonstrate the following: basic microbial cell structure and function, microbial metabolism, control of microbial growth, and the impact of microbes on human health. Students may not receive credit for this course and BIOL 2061. Co-requisite: BIOL2210.
2220. **HUMAN ANATOMY.** (3-3-0). Gross structure of the human body; clinical aspects. Co-requisite: BIOL 2221. Students may not receive credit for this course and BIOL 3310 or BIOL 3320.
2221. **HUMAN ANATOMY LABORATORY.** (1-0-2). Co-requisite: BIOL 2220. Students may not receive credit for this course and BIOL 3311 or BIOL 3321.
2230. **HUMAN PHYSIOLOGY.** (3-3-0). Function of the principal organ systems of the human body and their relationship to maintenance of homeostasis. Co-requisite: BIOL 2231. Students may not receive credit for this course and BIOL 3310 or BIOL 3320.
2231. **HUMAN PHYSIOLOGY LABORATORY.** (1-0-2). Co-requisite: BIOL 2230. Students may not receive credit for this course and BIOL 3311 or BIOL 3321.
2240. **INTRODUCTORY HUMAN GENETICS.** (3-3-0). Fundamental concepts and tools in modern medical practice of genetics. Emphasis is placed on: principles of inheritance, normal and pathological genetic variation in humans, and modern techniques used in identification and screening of genetic disorders. Students may not receive credit for this course and BIOL 3270.
2250. **ANATOMY AND PHYSIOLOGY I FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). This course is the first of a two-part series designed to provide Nursing and Allied Health majors with a foundation in human biology with emphasis on clinical aspects and the interrelatedness of organ systems. This course covers cell biology, histology, and structure and function of the integumentary, musculoskeletal, and nervous systems. Co-requisite: BIOL 2251.
2251. **ANATOMY AND PHYSIOLOGY LABORATORY I FOR NURSING AND ALLIED HEALTH MAJORS.** (1-0-1). This is a companion lab for BIOL 2250. Co-requisite: BIOL 2250.
2260. **ANATOMY AND PHYSIOLOGY II FOR NURSING AND ALLIED HEALTH MAJORS.** (3-3-0). This course is the second of a two-part series designed to provide Nursing and Allied Health majors with a foundation in human biology with emphasis on clinical aspects and the interrelatedness of organ systems. This course covers structure and function of the endocrine, circulatory, immune, respiratory, digestive, urinary, and reproductive systems. Pre-requisite: BIOL 2250. Co-requisite: BIOL 2261.
2261. **ANATOMY AND PHYSIOLOGY LABORATORY II FOR NURSING AND ALLIED HEALTH MAJORS.** (1-0-1). This is a companion lab for BIOL 2260. Co-requisite: BIOL 2260.
2290. **INTRODUCTION TO WILDLIFE AND FISHERIES MANAGEMENT.** (3-3-0). Survey of wildlife populations including ecology and management principles. Emphasis on resident wildlife of the South including white-tailed deer, wild turkey, rabbits, tree squirrels, bob-white quail, alligators, and other game, non-game, exotic and endangered species and predators. Survey of fish populations including biology and management principles. Emphasis on resident warm-water fish and coastal anadromous species management to include largemouth bass, striped and hybrid striped bass, sunfish, crappie, catfish, and other species of interest. Pond and reservoir management will be addressed as well as commercial fisheries and aquaculture. Management of organisms, habitats, and human users will be examined from an ecological and sociological perspective.
2950. **BIOLOGY LABORATORY TEACHING PRACTICUM.** (1-0-3). Specifically designed to involve students in the preparation and evaluation of a biology laboratory through direct participation in laboratory activities. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: 1011-1021.
3010. **ENTOMOLOGY.** (2-2-0). Introduction to Phylum Arthropoda. Fundamentals of morphology, physiology, systematics, and life histories. Prerequisites: Registration in or credit for 3011; Biology 1020-1021.
3011. **ENTOMOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3010.
3030. **DISEASES OF FARM ANIMALS.** (3-3-0). Causative agents, prevention, diagnosis and treatment. Prerequisite: BIOL 2040; VTEC 2090-2091, or consent of instructor.
3040. **ORNITHOLOGY.** (2-2-0). Techniques of bird study; adaptive significance and evolution of bird behavior, ecology, physiology and morphology; field identification and natural histories of Louisiana species. Prerequisite: Registration in or credit for 3041; Biology 1020-1021.
3041. **ORNITHOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3040.
3050. **PRINCIPLES OF ANIMAL NUTRITION.** (3-3-0). Digestion, absorption, utilization, chemical composition values of nutrients. Prerequisite: Four hours of general chemistry and three to four hours of organic chemistry.
3060. **BIOSTATISTICS.** (3-3-0). Statistical analysis of biological data. Parametric and nonparametric statistics. Prerequisite: Mathematics 1020.
3061. **BIOSTATISTICS LABORATORY.** (1-0-2). This is a companion laboratory of BIOL 3060. Students will be introduced to the programming language R, which is designed for statistical analysis and graphical representation of data. Data analysis will complement and augment topics covered in BIOL 3060. Co-requisite: BIOL 3060.
3090. **FOOD MICROBIOLOGY.** (2-2-0). Role of micro-organisms in food industries, their focus on disease-causing microbes associated with food; as well as the use of microbes in food production. Prerequisite: 2060 and 2061.
3091. **FOOD MICROBIOLOGY LABORATORY.** (2-0-4). Laboratory techniques used in the detection, elimination and prevention of disease-causing microbes associated with food; utilization of microbes in food production. Prerequisite: 2060 and 2061.
3140. **HERPETOLOGY.** (2-2-0). Classification, structure, evolution, natural history, and distribution of amphibians and reptiles. Laboratory emphasis on Louisiana forms. Collection required. Prerequisite: BIOL 2080-2081, or consent of instructor. Co-requisite: BIOL 3141.
3141. **HERPETOLOGY LABORATORY.** (1-0-3). Co-requisite: BIOL 3140.
3170. **HISTOLOGY.** (2-2-0). Cytology and microanatomy of animal tissues, principally mammalian. Prerequisites: BIOL 1020-1021, 2080-2081. Co-requisite: BIOL 3171.
3171. **HISTOLOGY LABORATORY.** (2-0-4). Co-requisite: BIOL 3170.

- 3220. WILDLIFE MANAGEMENT AND TECHNIQUES.** (3-3-0). Methods and principles of studying animal populations; population growth, movements, measurements and modeling; habitat management and alteration; legislation and wildlife management; administration and planning; management applications to big game, small mammals, waterfowl, shore and upland birds, non-game, endangered and exotic species; animal damage and impacts. Prerequisites: Registration in or credit for 3221; Biology 1020-1021.
- 3221. WILDLIFE MANAGEMENT AND TECHNIQUES LABORATORY.** (1-0-3). Use of literature to include data bases; research methods; population dynamics; control of animal populations; values of regulations, refuge system, artificial propagation, predator control and habitat improvement; trapping, tagging, marking, telemetry procedures; restoration, restocking and hacking programs; field trips to area wildlife management agencies at federal, state, and private levels. Three-day weekend trip to an area such as Rockefeller Wildlife Refuge is required. Prerequisite: Registration in or credit for 3220.
- 3250. CELL BIOLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of basic cellular functions. Emphasis is placed on cell structure, organelle function, intracellular transport mechanisms, and intracellular and extracellular signaling. Prerequisites: BIOL 1010-1011. Co-requisite: BIOL 3251.
- 3251. CELL BIOLOGY LABORATORY.** (1-0-3). This is a companion laboratory for BIOL 3250. Prerequisite: registration in or credit for BIOL 3250.
- 3270. GENETICS.** (3-3-0). Principles of heredity and their application to plants and animals, including man. Prerequisite: Eight hours of biological sciences to include either Biology 1020-1021, or SBIO 1830-1831. Corequisite: 3271.
- 3271. GENETICS LABORATORY.** (1-0-3). This lab is designed to introduce the students to basic techniques in microbial and yeast genetic analyses. Emphasis is placed on demonstrating experimentally the topics discussed in BIOL 3270. Prerequisite: Eight hours of biological sciences to include either Biology 1020-1021, or SBIO 1830-1831. Corequisite: 3270.
- 3280. EVOLUTION.** (3-3-0). This course is designed to introduce students to the basic mechanisms of evolution, including adaptive and neutral processes. Evolution will be examined at scales ranging from molecular to ecological, and in populations over a few generations to over millennia. Emphasis will be placed on connections of evolution to molecular, developmental, and behavioral biology, physiology, genetics, ecology and environmental science. Prerequisite: BIOL 2020.
- 3290. EPIDEMIOLOGY.** (3-3-0). Spread and control of infectious diseases; role of hospital personnel in diagnosis, spread, and control of infection in the hospital and community. Prerequisite: BIOL 1130 or 2060.
- 3310. HUMAN ANATOMY AND PHYSIOLOGY I.** (3-3-0). This course and BIOL 3320, are a two-part series designed to provide Biology majors interested in health care professions with an integrated understanding of the structure and function of human organ systems. BIOL 3310 covers the integumentary, skeletal, muscular, and nervous systems. Prerequisites: BIOL 1010, 1020. Co-requisite: BIOL 3311.
- 3311. HUMAN ANATOMY AND PHYSIOLOGY LABORATORY I.** (1-0-3). This is a companion laboratory for BIOL 3310. Prerequisite: registration in or credit for BIOL 3310.
- 3320. HUMAN ANATOMY AND PHYSIOLOGY II.** (3-3-0). This course and BIOL 3320, are a two-part series designed to provide Biology majors interested in health care professions with an integrated understanding of the structure and function of human organ systems. BIOL 3320 covers the endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Prerequisite: BIOL 3310. Co-requisite: BIOL 3321.
- 3321. HUMAN ANATOMY AND PHYSIOLOGY LABORATORY II.** (1-0-3). This is a companion laboratory for BIOL 3320. Prerequisite: registration in or credit for BIOL 3320.
- 3340. ANIMAL BEHAVIOR.** (3-3-0). Perception of the external world; orientation; motivation; social behavior; communication. Prerequisites: Biology 1020-1021; junior standing.
- 3341. ANIMAL BEHAVIOR LABORATORY.** (1-0-3). Experiments designed to illustrate the principles of animal behavior; communication. Prerequisites: Biology 1020-1021; or consent of instructor; junior standing.
- 3500. FORENSIC DEATH INVESTIGATION.** (3-3-0). The scientific techniques used in medicolegal investigations, injury and death, firearm injuries, transportation injuries, physical injuries, trauma and disease, asphyxial deaths, infanticide and forensic evidence and records for the court. Prerequisite: BIOL 1020-1021, 2070-2071. Co-requisite: 3501.
- 3501. FORENSIC DEATH INVESTIGATION LABORATORY.** (1-0-2). The laboratory will address physical evidence associated with human remains including forensic botany and palynology, serology, taphonomy and anthropology. Co-requisite: 3500.
- 3600. FOUNDATIONS IN BIOINFORMATICS I.** (3-3-0). This course will introduce students to databases and tools that are routinely used in bioinformatics. Emphasis will be placed on the application of existing software, basic computational algorithms and limitations of existing tools. Selected topics include nucleotide and protein sequence databases, sequence alignment, gene finding, protein function prediction, protein structure databases, and phylogenetic trees. Prerequisites: 3270. Co-requisites: 3601.
- 3601. FOUNDATIONS IN BIOINFORMATICS LABORATORY I.** (1-0-2). This is a companion laboratory of BIOL 3600 that will give students hands-on experience in performing bioinformatics analyses. Prerequisite: 3270. Co-requisite: 3600.
- 3900. SPECIAL TOPICS IN BIOLOGY.** (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor.
- 3901. SPECIAL TOPICS IN BIOLOGY LABORATORY.** (1 to 3-0-1 to 9). In-depth laboratory component of various upper-level elective topics in the biological sciences; in particular, those not included explicitly among the catalog listings. Prerequisite: 1010/1011, 1020/1021 or consent of instructor. Co-requisite: 3900.
- 4030. MARINE ECOLOGY.** (4-4-0). Relationships of marine and estuarine organisms to environmental factors; interactions among organisms; ecological process of energy and materials flow; communities and ecosystems of the Louisiana coastal zone. Prerequisites: General biology, invertebrate or vertebrate zoology, introductory chemistry. Summer only. Five weeks at a Louisiana Universities Marine Consortium coastal laboratory.
- 4040. MAMMALOLOGY.** (3-3-0). Behavior, ecology, physiology, morphology, evolution and zoogeography of mammals; taxonomy of mammals of the world; techniques of mammal study; identification of Louisiana species. Prerequisites: Registration in or credit for 4041; Biology 1020-1021.
- 4041. MAMMALOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 4040.
- 4120. PATHOGENIC MICROBIOLOGY.** (3-3-0). Micro-organisms that cause disease in man and animals; their isolation and identification; mechanisms of disease causation; and methods of control. Prerequisites: BIOL 2060-2061. Co-requisite: BIOL 4121.
- 4121. PATHOGENIC MICROBIOLOGY LABORATORY.** (1-0-3). Co-requisite: BIOL 4120.
- 4150. ANIMAL BREEDING.** (3-3-0). Basic genetic principles in livestock breeding and selection; use of heritability estimates, inbreeding and crossbreeding. Prerequisite: BIOL 2040; three hours of genetics; senior standing or consent of instructor.
- 4160. BIOLOGICAL SCIENCES INSTRUMENTATION.** (1-1-0). This course introduces students to the theoretical principles behind major biological instruments, and to their practical use in research and analytical laboratories. Prerequisite: BIOL 2060-2061, 4300-4301.

- 416I. **BIOLOGICAL SCIENCES INSTRUMENTATION LABORATORY.** (2-0-4). This is a companion laboratory of BIOL 4160. Co-requisite: BIOL 4160.
4170. **LIMNOLOGY-AQUATIC BIOLOGY.** (2-2-0). Physical, chemical and biological properties of inland waters. Prerequisites: Registration in or credit for 4171; Biology 1020-1021; six hours of chemistry.
- 417I. **LIMNOLOGY-AQUATIC BIOLOGY LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 4170.
4180. **BIOLOGY OF FISHES.** (2-2-0). Taxonomy, anatomy, physiology, evolution life history and ecology of fresh-water fishes. Prerequisites: registration in or credit for 4181; 2060-2061, or consent of instructor.
- 418I. **BIOLOGY OF FISHES LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 4180.
4190. **IMMUNOLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of immune responses. Topics covered include the cells and tissues of the innate and acquired immune systems, antibody production, lymphocyte activation and specificity, and immune effector functions. Prerequisites: BIOL 2060-2061, 3250-3251. Co-requisite: BIOL 4191. BIOL 3270-3271 strongly recommended but not required.
- 419I. **IMMUNOLOGY LABORATORY.** (1-0-3). This course is designed to introduce students to basic techniques in immunology. Emphasis is placed on exploring antigen-antibody interactions. Co-requisite: BIOL 4190.
4200. **PRINCIPLES OF AQUACULTURE.** (3-3-0). Principles of aquaculture; water properties and water quality, culture species, emerging culture species, extensive aquaculture, intensive aquaculture, sustainable aquaculture, handling, nutrition, and reproduction of cultured species, aquaculture as a business. Prerequisites: BIOL 4180 or 4170. Co-requisite: BIOL 4201.
- 420I. **PRINCIPLES OF AQUACULTURE LABORATORY.** (1-0-3). Spawning, stocking, feeding and harvesting of aquatic species in ponds and tanks. Instruction in and demonstration of; recirculating aquaculture systems (intensive culture), pond-based aquaculture (extensive culture), and alternative culture methods (partitioned aquaculture system, in-pond raceway). Co-requisite: BIOL 4200.
4210. **APPLIED MICROBIOLOGY.** (2-2-0). Microbiological aspects of milk, food, industry, soils, water and domestic wastes. Prerequisite: 2060-2061. Co-requisite: BIOL 4211.
- 421I. **APPLIED MICROBIOLOGY LABORATORY.** (2-0-4). Co-requisite: BIOL 4210.
4220. **COMPARATIVE VERTEBRATE PHYSIOLOGY.** (3-3-0). Comparison of the physiological adaptation of various vertebrate groups to their environment. Water balance, body temperature and energy metabolism, respiration, circulation, sensory and nervous systems. Prerequisites: BIOL 2220-2221 or 2080-2081. Co-requisite: BIOL 4221.
- 422I. **COMPARATIVE VERTEBRATE PHYSIOLOGY LABORATORY.** (1-0-3). Co-requisite: BIOL 4220.
4270. **VIROLOGY.** (3-3-0). This course is designed to provide students with a fundamental understanding of the basic biological properties of animal viruses. Emphasis is placed on viral life cycles (including replication and gene regulation), viral pathogenesis, and virus-host cell interactions. Prerequisite: BIOL 2060-2061; BIOL 3270 strongly recommended but not required.
4300. **MOLECULAR BIOLOGY I.** (3-3-0). This is the first course in a two-part series designed to introduce students to the principles and practices of Molecular Biology. BIOL 4300 covers, in depth, the core cellular functions: replication, recombination, repair, transcription and translation. Emphasis is placed on the intricate and highly interconnected regulatory mechanisms that control these functions, including the temporal and spatial order of gene expression, signal transduction mechanisms, as well as the field of Bioinformatics. Prerequisite: BIOL 1010, 1020, 2060, 3250, and 3270. Co-requisite: BIOL 4301.
- 430I. **MOLECULAR BIOLOGY LABORATORY I.** (1-0-3). This is a companion laboratory to BIOL 4300. Students will be introduced to the most common techniques of modern molecular biology, including PCR, recombinant DNA technology, and DNA fingerprinting. Co-requisite: BIOL 4300.
4310. **MOLECULAR BIOLOGY II.** (3-3-0). This is the second course in a two-part series designed to introduce students to the principles and practices of Molecular Biology. BIOL 4310 expands of the topics covered in BIOL 4300 and discusses them from a different perspective. In addition to studying "what goes on" in the cell, students will be introduced to the scientific methodologies used to arrive at our current knowledge, i.e., "how we got here". Additional emphasis is placed on emerging technologies including genomic and proteomic analyses, gene therapy and designer therapeutics. Prerequisite: BIOL 4300-4301. Co-requisite: BIOL 4311.
- 431I. **MOLECULAR BIOLOGY LABORATORY II.** (1-0-3). This is a companion laboratory to BIOL 4310. Students will be introduced to advanced techniques of modern molecular biology, including cloning, expression of recombinant proteins, and monitoring of gene expression activity. Co-requisite: 4310.
4320. **CANCER BIOLOGY.** (3-3-0). This course will explore the complex and often paradoxical factors involved in the etiology, progression and treatment of cancer. Students will discuss cancer from different perspectives, including epidemiology, physiology, genetics, immunology, molecular, and cellular biology. Prerequisites: BIOL 3250, 3270, and 4190.
4350. **BIOLOGICAL CHEMISTRY I.** (3-3-0). This course and BIOL 4360, are a two-part series designed to provide students with an integrated understanding of how biologically important molecules act, interact, and impact living cells. Emphasis is placed on biosynthesis, structure and function of macromolecules; major metabolic and catabolic processes including the enzymes involved, their mechanisms of action, and their regulation; and coordination of the cell's metabolic activities in response to internal and external signals. BIOL 4350 covers biological macromolecules structure and function, and transducing and storing of energy. Prerequisites: BIOL 1010, 1020, 3250, CHEM 1030, 1040, 3010. Co-requisite: BIOL 4351.
- 435I. **BIOLOGICAL CHEMISTRY LABORATORY I.** (1-0-3). This is a companion laboratory for BIOL 4350. Prerequisite: registration in or credit for BIOL 4350.
4360. **BIOLOGICAL CHEMISTRY II.** (3-3-0). This course and BIOL 4350, are a two-part series designed to provide students with an integrated understanding of how biologically important molecules act, interact, and impact living cells. Emphasis is placed on biosynthesis, structure and function of macromolecules; major metabolic and catabolic processes including the enzymes involved, their mechanisms of action, and their regulation; and coordination of the cell's metabolic activities in response to internal and external signals. BIOL 4360 covers the cellular biosynthetic pathways, molecular motors, and drug development. Prerequisite: BIOL 4350. Co-requisite: 4361.
- 436I. **BIOLOGICAL CHEMISTRY LABORATORY II.** (1-0-3). This is a companion laboratory for BIOL 4360. Prerequisite: registration in or credit for BIOL 4360.
4400. **GENERAL ECOLOGY.** (3-3-0). Fundamental ecological principles with reference to ecosystem structure and function and interrelationship among and between living and non-living components of nature. Prerequisite: Registration in or credit for 4401, 1020-1021; junior standing or consent of instructor.
- 440I. **GENERAL ECOLOGY LABORATORY.** (1-0-3). Sampling and field methods of measurements of abiotic and biotic factors. Prerequisite: Registration in or credit for 4400 or consent of instructor.
4600. **FOUNDATIONS IN BIOINFORMATICS II.** (3-3-0). This is the second in a two part series of fundamental bioinformatics courses at NSU. Emphasis will be placed on algorithms underlying the tools discussed in BIOL 3600. Dynamic programming algorithms, hidden markov models,

and additional statistical and computational methods will be discussed in the context of sequence alignment, similarity searching, gene prediction, and phylogenetic analysis. Prerequisite: BIOL 3600.

- 4610. COMPUTATIONAL SYSTEMS BIOLOGY.** (3-3-0). This course will introduce students to computational and mathematical modeling as a tool for understanding biological systems. Modeling approaches such as differential equation models, agent-based models, and stochastic processes will be discussed in the context of gene networks, metabolic networks, and immune system modeling. Prerequisites: BIOL 4300-4301, MATH 2110.
- 4620. MICROARRAY DATA ANALYSIS.** (3-3-0). This course will introduce students to fundamental statistical issues in microarray data analysis. Topics include microarray technology, experimental design, normalization, data representation, clustering, and classification. Students will also be introduced to and will gain experience with using microarray analysis software. Prerequisites: BIOL 3600, 4300-4301.
- 4730. CLINICAL HEMATOLOGY AND COAGULATION.** (6-0-0). Normal and diseased blood characteristics, hematopoiesis, anemias, hemoglobinopathies, leukemias, mechanisms of blood coagulation, manual and automated methods of hematology and quality control; performing tests such as complete blood cell counts, red blood cell indices, sedimentation rates, hematocrits, coagulation rates and factor analysis of manual and automated methods.
- 4740. CLINICAL URINALYSIS.** (2-0-0). Renal morphology, physiology, diseases and diagnostic procedures; chemical and microscopic examination of urine.
- 4750. CLINICAL CHEMISTRY.** (8-0-0). Theory and application of chemical analysis of body fluids in normal and disease states; procedures of manual methods, autoanalyzers, chromatography, electrophoresis, toxicology, radioimmunoassay, blood gas analysis, instrument calibration and maintenance, test evaluation and quality control.
- 4760. CLINICAL IMMUNOLOGY AND SEROLOGY.** (2-0-0). Principles of immunology and serology and their application to medical laboratory diagnosis; detecting specific antibodies associated with disease, quality control techniques and interpretation of findings.
- 4770. CLINICAL MICROBIOLOGY.** (7-0-0). Isolation, identification, characteristics, diseases caused, disease mechanisms and methods of control of bacteria, mycobacteria, fungi and animal parasites; manual and automated techniques for isolation and identification of microorganisms.
- 4780. CLINICAL IMMUNOHEMATOLOGY.** (4-0-0). Theory and practice of blood banking. Typing and cross matching blood, donor processing, screening and identification of atypical antibodies, recognition of abnormal tests, quality control procedures, administration and technical operation; typing and cross matching, donor blood selection, detection of abnormal antibodies, blood processing, plasmapheresis, and other blood component fractionation procedures.
- 4790. LABORATORY MANAGEMENT.** (1-0-0). Theory and practice of management of laboratory personnel, education, certification, data, quality control, supplies and interaction with patients, hospital personnel and physicians.
- 4900. UNDERGRADUATE SEMINAR.** (1-0-0). Reports and discussions on current research. May be repeated any number of times, but no more than two hours may be applied toward a B.S. degree.
- 4910. CRITICAL READING.** (1-1-0). This is a senior level course that will train students to search, read, critique, and draw conclusions from the primary scientific literature. Prerequisite: senior status or permission of the instructor.
- 4920. SPECIAL PROBLEMS IN MARINE SCIENCE.** (1 to 4-0-0). Directed undergraduate research and study at a coastal laboratory of the Louisiana Universities Marine Consortium. By arrangement.

- 4940. PROBLEMS IN BIOLOGICAL SCIENCES.** (1 to 3-0-0). Independent undergraduate research. Requirements include: student-instructor meeting as frequently as needed; presentation of the procedures, results, and conclusions of the project in the form of a research paper. Prerequisites: junior standing; consent of the department head and proposed research director. This course may be repeated any number of times, but no more than 6 hours may be applied toward a B.S. degree. Areas of concentration are identified as follows:
- 01-anatomy
 - 02-animal science: animal care and health
 - 03-animal science: judging techniques
 - 04-animal science: livestock processing
 - 05-animal science: meat operations
 - 06-animal science: nutrition and feeding
 - 07-animal science: production methods
 - 08-animal science: reproduction
 - 09-animal science: selection and evaluation
 - 10-behavior
 - 11-biochemistry
 - 12-botany
 - 13-development
 - 14-entomology
 - 15-fish
 - 16-genetics
 - 17-herpetology
 - 18-immunology
 - 19-invertebrate zoology
 - 20-limnology
 - 21-mammalogy
 - 22-microbiology
 - 23-molecular and cell biology
 - 24-ornithology
 - 25-parasitology
 - 26-physiology
 - 27-wildlife
- 4960. WILDLIFE MANAGEMENT PRACTICUM.** (2-0-0). Work experience with federal, state or private industry concerned with management of natural resources. Required of all wildlife minors and coordinated through departmental faculty and cooperating agency. Written report. Prerequisite: Consent of departmental faculty.

BIOMEDICAL TECHNOLOGY (BMET)

For Undergraduates Only

- 3320. DIGITAL SIGNAL PROCESSING.** (3-3-0). Overview of medical equipment networking and telecommunications. Digital signal processing. Digital image processing systems. Prerequisites: Electronics Engineering Technology 3360-3361, credit for or registration in Electronics Engineering Technology 3310-3311.
- 3321. DIGITAL SIGNAL PROCESSING LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 3320.
- 3370. BIOMEDICAL INSTRUMENTATION.** (3-3-0). Introduction to electronic acquisition and analysis of biomedical signals and imaging; biomedical transducers and actuators; signal conditioning; instrumentation amplifiers; characteristics, practical design, testing, and applications of electronic biomedical measuring instruments. Prerequisites: 3320-3321, Electronics Engineering Technology 3310-3311.
- 3371. BIOMEDICAL INSTRUMENTATION LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 3370.
- 4950. BIOMEDICAL ENGINEERING TECHNOLOGY INTERNSHIP.** (3 to 6-0-0). This course, along with Electronics Engineering Technology 4940, is the capstone experience for students in the biomedical concentration within the Electronics Engineering Technology program. Students will complete no fewer than 180 hours of student internship. Students must complete periodic evaluations, special projects, and a final report. Prerequisites: 3370, 3371, Electronic Engineering Technology 4300, 4301, 4940, English 3230, and senior status.

BUSINESS ADMINISTRATION (BUAD)

For Undergraduates Only

- 1010. BUSINESS DOCUMENT PREPARATION.** (3-3-0). Introduction to the use of productivity software in the creation of business related documents; the use of language arts skills in the production of business related documents and the development of appropriate keying skills. Students majoring in the four-year business degree (computer information systems, accounting or business administration) may not use this course as a business elective.
- 1020. ADVANCED BUSINESS DOCUMENT PREPARATION.** (3-3-0). Advanced use of productivity software in the preparation of more complex business documents, legal documents, medical documents, and foreign correspondence. This course is for undergraduates only. Students majoring in the four-year business degree (computer information systems, accounting or business administration) may not use this course as a business elective. Prerequisite: BUAD 1010.
- 1040. FUNDAMENTALS OF BUSINESS ENTERPRISE.** (3-3-0). The American business system; business organization and management; finance; marketing; government regulation of business.
- 1800. INTRODUCTION TO INFORMATION TECHNOLOGY.** (3-3-0). An introductory course, focusing on the use of file management; word processing, presentation, and data base management; and social issues related to information technologies.
- 2120. BASIC BUSINESS STATISTICS.** (3-3-0). A basic statistical foundation is developed; emphasis is then placed upon practical business applications including hypothesis testing, ANOVA, contingency table analysis, and introductory regression analysis; material is related directly to business applications. Prerequisite: CIS 2000 and any of the following: Mathematics 1060, 1090, 1100, 1810, 2010 or SMAT 1820 and 1840, or 2810.
- 2140. APPLIED OFFICE PROCEDURES.** (3-3-0). An office practice course to integrate keyboarding, computer applications, office management and clerical skills through the use of actual business procedures; lecture and laboratory practice designed to develop good business judgment and initiative. Prerequisites: 1020, 2200, Business Administration 1800; or consent of instructor.
- 2180. OFFICE PRODUCTIVITY SOFTWARE I.** (3-3-0). Review of Windows Operating System file management tasks. Emphasizes applications of common office productivity software including Word, Excel, Access, PowerPoint, and Outlook. Course is designed to assist students in preparation for one or more of the MCAS (Microsoft Certified Application Specialist) tests for certification.
- 2190. OFFICE PRODUCTIVITY SOFTWARE II.** (3-3-0). Emphasizes advanced applications and data exchange between programs of office productivity software suites, including Word, Excel, Access, PowerPoint, and Outlook. Course is designed to assist students in preparation for one or more of the MCAS (Microsoft Certified Application Specialist) tests for certification. Prerequisite: BUAD 2180 or consent of instructor.
- 2200. BUSINESS REPORTS AND COMMUNICATION.** (3-3-0). Communication problems, business letters, employment application procedures. Problem areas investigated by research procedures; sources of data, compilation and arrangement of data, documentation, bibliography, and effective presentation. Prerequisite: Business Administration 1800 or equivalent, English 1010, 1020.
- 2250. LEGAL ESSENTIALS FOR SMALL BUSINESSES.** (3-3-0). Legal aspects of buying and owning a small business in Louisiana, including the bulk sales act, workmen compensation, employer-employee relationships, bankruptcy, and property rights. Considers mainly Louisiana law.

- 3120. INTERMEDIATE BUSINESS STATISTICS.** (3-3-0). Time series, index numbers, analysis of variances, chi square, non-parametric tests applied to business and economic problems. Prerequisite: Successful completion of Business Administration 2120 or SSTA 2810 and junior standing.
- 3250. BUSINESS LAW I.** (3-3-0). The study of the legal environment of Business, with an emphasis on the development of law, an overview of the court system, legal concepts underlying business crimes and torts, contracts, employer-employee relationships, commercial paper, and property rights, ethics. Prerequisite: Junior standing.
- 3260. BUSINESS LAW II.** (3-3-0). Legal concepts underlying the areas of sales, creditors rights, secured transactions, bankruptcy, business organizations including sole proprietorships. Partnerships, and corporations, agencies, lenders and directors liability, and accountants liability. Prerequisite: Junior standing.
- 3270. INTERNATIONAL BUSINESS.** (3-3-0). Pertinent dimensions of the global business environment. Focusing on the international aspects of management, marketing, finance, accounting and economics. Various theories related to global business will be presented and applied in the form of cases.
- 3280. CYBER BUSINESS LAW.** (3-3-0). Legal aspects of owning and operating a business online as well as maintaining, securing and protecting private data on computer networks. Intellectual property rights, online jurisdictional issues, privacy and the First Amendment and domain name rights; legal aspects of E-commerce and cyber taxation. Prerequisite: Junior standing.
- 3610. INTRODUCTION TO OIL AND GAS INDUSTRY** (3-3-0). Modern civilization depends on petroleum products. However, the oil and gas industry operates in a unique business atmosphere. While all oil and gas investments carry significant risk, understanding where petroleum comes from, how it is refined, how it is transported, and knowledge of the industry operating environment lowers investor risk. This nontechnical course familiarizes the novice student with the nuts and bolts of the oil and gas industry. Prerequisite: Junior standing or instructor consent.
- 4000. READING AND DISCUSSION.** (1 to 3-3-0). Books on problems and issues of contemporary significance for the business community. Prerequisite: Economics 2010, 2020, and consent of instructor.
- 4160. U.S. AND FOREIGN BUSINESS CENTERS.** (1 to 6-0-0). Study tours of selected centers of business and economic activity in the U.S. and abroad. Prerequisite: Consent of instructor.
- 4190. SMALL BUSINESS ENTREPRENEURSHIP.** (3-3-0). Analysis of small business operations. Integration of knowledge and application of theories across functional areas. Prerequisite: Senior standing and consent of instructor.
- 4800. MICROCOMPUTER APPLICATIONS II.** (3-3-0). Advanced microcomputer application software exercises and problems. Current operating systems, networking, and telecommunication techniques. Prerequisite: BUAD 1800 or consent of instructor.

For Graduates Only

- 5800. COMPUTER APPLICATIONS.** (3-3-0). Computer applications software exercises and problems designed to enhance communications skills using modern technologies.

BUSINESS EDUCATION (BUED)

For Undergraduates Only

- 4200. CAREER AND VOCATIONAL EDUCATION IN AMERICAN SCHOOLS.** (3-3-0). Principles and philosophies of cooperative vocational education. Relationship of vocational education to general education. Development of cooperative training under the George-Barden, George-Dean Acts, the Vocational Act of 1963, as amended; current career education legislation. Prerequisite: Education 2020, Educational Psychology 3000, and consent of instructor.

- 4220. COOPERATIVE EDUCATION PROGRAM.** (3-3-0). Developing and coordinating a cooperative education program in the secondary school. Prerequisite: Education 2020, Educational Psychology 3000, or consent of instructor.
- 4230. HUMAN RELATIONS IN BUSINESS EDUCATION.** (3-3-0). Human relations and its importance in the educational, occupational, economic, and social activities of an individual involved in the instruction and/or supervision of other persons in office occupations or distributive education. (Same as Distributive Education 4230).

For Graduates Only

- 5100. BASIC PRINCIPLES IN BUSINESS EDUCATION.** (3-3-0). Problems facing business education; principles underlying a sound program; development and evaluation of aims of business education in terms of the contribution made to the general program of secondary education.
- 5200. CAREER AND VOCATIONAL EDUCATION IN AMERICAN SCHOOLS.** (3-3-0). Principles and philosophies of cooperative vocational education. Relationships of vocational education to general education. Development of cooperative training under the George Barden, George Dean Acts, the Vocational Act of 1963, as amended; current career education legislation.
- 5220. COOPERATIVE EDUCATION PROGRAMS.** (3-3-0). Developing and coordinating a cooperative education program in the secondary school.
- 5950. RESEARCH PROBLEMS IN DISTRIBUTIVE AND BUSINESS EDUCATION.** (1 to 6-0-0).
- 6210. IMPROVEMENT OF INSTRUCTION IN SECRETARIAL STUDIES.** (3-3-0). New classroom procedures and teaching techniques developed from recent research and experimentation; stages of learning and the type of instruction and instructional materials used in each; problems of individual teachers and individual learners examined and possible solutions worked out.
- 6220. IMPROVEMENT OF INSTRUCTION IN BOOK-KEEPING.** (3-3-0). Problems and techniques related to the skills, objectives, and content of bookkeeping; source of materials and suggested techniques for instruction and testing.
- 6230. IMPROVEMENT OF INSTRUCTION IN GENERAL BUSINESS.** (3-3-0). Problems, skills, objectives, and content of general business; techniques of presentation, testing, and source material.

CHEMISTRY (CHEM)

For Undergraduates Only

- 1010. CHEMISTRY ORIENTATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, and scholarships.
- 1030. GENERAL CHEMISTRY.** (3-3-0). Atomic and molecular structure; chemical bonding; properties of gases, liquids and solids; chemistry of some non-metals. For students who plan to take 1040 and 2000- or 3000-level chemistry courses. Prerequisite: Placement in Mathematics 1020. (May not receive credit for both Chemistry 1030 and Science 1010).
- 1031. GENERAL CHEMISTRY LABORATORY.** (1-0-3). Basic chemistry experiments. Prerequisites: Credit in 1030 or equivalent.
- 1040. GENERAL CHEMISTRY.** (3-3-0). Continuation of 1030. Chemical equilibrium, chemistry of metals and some of their compounds; nuclear chemistry. Prerequisite: Credit for 1030 and registration in or credit for 1031. (May not receive credit for both Chemistry 1040 and Science 2010).
- 1041. GENERAL CHEMISTRY LABORATORY.** (1-0-3). Identification of common inorganic ions; quantitative inorganic analysis; experiments of chemical equilibria. Prerequisites: Credit for 1030-1031 and credit for or registration in 1040.

- 1070. INTRODUCTORY CHEMISTRY.** (3-3-0). Principles of chemistry. Topics include atomic and molecular structure, chemical bonding and properties of gases, liquids and solids. Prerequisite: Placement in Mathematics 1020. (May not receive credit for both Chemistry 1070 and Science 1010).
- 2110. QUANTITATIVE ANALYSIS.** (3-3-0). Chemical equilibrium; pH and indicators; solutions; oxidation-reduction and the calculations of analytical chemistry; reliability of measurements; theory and applications of gravimetric, volumetric, and other representative analytical procedures. Prerequisite: Registration in or credit for 2111; 1040, 1031, 1041.
- 2111. QUANTITATIVE ANALYSIS LABORATORY.** (1-0-3). General experiments. Prerequisite: Registration in or credit for 2110.
- 2120. INTRODUCTION TO INSTRUMENTAL ANALYSIS.** (3-3-0). Prerequisite: Registration in or credit for 2121; 2110-2111.
- 2121. INTRODUCTION TO INSTRUMENTAL LABORATORY.** (1-0-3). pH, polarographic, spectroscopic and emission spectroscopic measurements and separation techniques such as gas, thin layer and ion exchange chromatography, liquid-liquid extraction, and electro-deposition for chemical analysis. Prerequisite: Registration in or credit for 2120.
- 2140. DESCRIPTIVE INORGANIC CHEMISTRY.** (3-3-0). An introduction to basic inorganic chemistry including a systematic study of the periodic table with emphasis on the structures, properties and reactions of inorganic compounds. Prerequisite: 1040, 1031, 1041; registration in or credit for 2141.
- 2141. INORGANIC CHEMISTRY LABORATORY.** (1-0-3). A laboratory course involving the preparation and characterization of compounds of common elements, including salts, coordination complexes and covalent compounds. Prerequisite: Registration in or credit for 2140.
- 2200. PRACTICUM FOR CHEMISTRY TEACHING.** (1 to 3-0-0). Supervised experiences in teaching in the chemistry laboratory. Required for secondary education majors with chemistry as a primary or secondary teaching area and recommended for chemistry majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: Consent of department head.
- 3010. ORGANIC CHEMISTRY.** (3-3-0). First half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: Registration in or credit for 3011; 1040, 1031, 1041.
- 3011. ORGANIC CHEMISTRY LABORATORY.** (2-0-4). Basic experiments. Prerequisite: Registration in or credit for 3010.
- 3020. ORGANIC CHEMISTRY.** (3-3-0). Second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ether, ketones, amines, acids and their derivatives. Prerequisite: Registration in or credit for 3021; 3010-3011.
- 3021. ORGANIC CHEMISTRY LABORATORY.** (2-0-4). Continuation of 3011. Preparation and qualitative analysis of organic compounds. Prerequisite: Registration in or credit for 3020.
- 3210. PHYSICAL CHEMISTRY.** (3-3-0). Principles and applications of chemical thermodynamics. Prerequisite: A year of general physics and calculus.
- 3211. PHYSICAL CHEMISTRY LABORATORY.** (1-0-3). General experiments. Prerequisite: Registration in or credit for 3210.
- 3220. PHYSICAL CHEMISTRY.** (3-3-0). Continuation of 3210. Chemical kinetics; quantum chemistry with applications to molecular structure and spectroscopy. Prerequisite: 3210 or Physics 3710.

3221. PHYSICAL CHEMISTRY LABORATORY. (1-0-3). Continuation of 3211. Prerequisite: Registration in or credit for 3220.

3900. SPECIAL TOPICS IN CHEMISTRY. (1 to 3-1 to 3-0). In-depth study of various upper-level elective topics in chemistry; in particular, those not included explicitly among the catalog listings. Prerequisite: 1030, 1040, 1031, 1041, 2110-2111, 3010-3011 or consent of instructor.

4040. GENERAL BIOCHEMISTRY. (3-3-0). Chemistry of constituents of living matter; carbohydrates, lipids, proteins, nucleic acids, inorganic and other organic materials; chemistry of enzymes as highly specific protein catalysts. Prerequisites: registration in or credit for 4041; Chemistry 3020-3021, 2110-2111.

4041. GENERAL BIOCHEMISTRY LABORATORY. (1-0-3). General experiments in biochemistry; modern biochemical-type instrumentation. Prerequisite: Registration in or credit for 4040.

4050. GENERAL BIOCHEMISTRY. (3-3-0). Continuation of 4040. Chemical transformation in living matter; metabolism of carbohydrates, lipids, proteins, nucleic acids, and other biochemical matters. Prerequisite: 4040-4041.

4140. INORGANIC CHEMISTRY. (3-3-0). Theories of inorganic chemistry, including atomic, molecular and crystal structure, thermochemical and electrochemical properties, acidity, solvent systems and coordinated compounds. Prerequisite: 3220-3221.

4160. ADVANCED INSTRUMENTAL ANALYSIS. (2-2-0). Procedures for inorganic and organic product analysis; employment of representative group of instrumental methods. Prerequisite: Registration in or credit for 4161; 3220-3221.

4161. ADVANCED INSTRUMENTAL LABORATORY. (2-0-6). Prerequisite: Registration in or credit for 4160.

4900. UNDERGRADUATE SEMINAR. (1-1-0). Literature search and critical analysis of current chemistry research. Students will present a seminar on a chemistry topic approved by instructor. No more than two hours may be applied toward a B.S. degree.

4950. RESEARCH PROBLEMS IN CHEMISTRY. (1 to 4-0-0). Individual laboratory investigation, the results presented both in a formal report and orally, either at a departmental seminar or professional meeting. Prerequisite: Consent of department head.

4980. DIRECTED INDIVIDUAL RESEARCH FOR UNDERGRADUATE STUDENTS. (3-0-9). Chemical research methods for undergraduate students. Investigation of a problem in experimental or theoretical chemistry under supervision of a faculty member. The student will present an oral report to a seminar and a written report describing the results of the research. Should be taken the first semester of the senior year. Prerequisite: Consent of the department head.

¹ Credit may not be obtained for both 1030 and either Science 1010 or Chemistry 1070.

For Graduates Only

5000. GENERAL CHEMICAL PRINCIPLES FOR TEACHERS. (3 to 8-0-0). Principles of chemistry, including states and chemical transformation of matter with emphasis on recent developments. For teachers who need refresher courses in chemistry. Prerequisite: Consent of department head.

5010. CHEMISTRY FOR SECONDARY TEACHERS. (3-3-0). Principles of chemistry with application to secondary school chemistry. Current trends and literature in chemistry. Prerequisite: 12 hours of chemistry.

5020. EXPERIMENTAL CHEMISTRY FOR TEACHERS. (3-3-0). Development of laboratory techniques necessary for a modern secondary laboratory. Laboratory experiments and demonstrations.

5090. PHYSICAL SCIENCE FOR ELEMENTARY TEACHERS. (3 to 4-0-0). Teaching basic principles of physical science at the elementary level by the inquiry method.

5950. RESEARCH PROBLEMS IN CHEMISTRY. (1 to 6-0-0).

¹ Credit may not be obtained in both Chemistry 5090 and Physics 5090.

COMMUNICATION (COMM)

For Undergraduates Only

1010. FUNDAMENTALS OF SPEECH. (3-3-0). Development of desirable habits for normal speech situations; effective use of voice, oral language, and bodily actions; basic principles of speech composition. Open to all students, prerequisite to other speech courses.

1020. VOICE AND DICTION. (3-3-0). Physiological mechanics of oral sounds; technical analysis of voice quality. Special exercises to develop accurate placement and correct manner of production of vocal sounds.

1210. ORAL INTERPRETATION. (3-3-0). Analysis of literature for the purpose of oral reading as a performance mode; first principles of vocal technique and interpretation. Prerequisite: 1020 or permission of instructor.

1980. MASS COMMUNICATIONS PRACTICUM. (1-1-0). Supervised activity on the university communication media, professional association competitions, student communication agencies, or other faculty approved experimental components of the journalism degree program. Prerequisite: Consent of instructor. Course may be repeated for credit but only three hours of credit may be applied toward a degree.

2010. ADVANCED PUBLIC SPEAKING. (3-3-0). For students who have had elementary work in public speaking and who desire experience in developing more extended public addresses. Preparation and delivery of extemporaneous speeches, including selection and arrangement of material, audience analysis, and techniques of effective delivery. Prerequisite: 1010.

2020. MASS MEDIA AND SOCIETY. (3-3-0). Survey of historical development of mass media; communication agencies in society; areas of professional work in mass communication; concept of global village and impact of print and non-print media.

2050. ARGUMENTATION AND DEBATE. (3-3-0). Principles: phrasing, analyzing and proving the proposition; methods of proof; fallacies in logic; refutation; elements of persuasion; brief-drawing, preparation of forensics; delivery; actual practice in debating.

2500. INTERPERSONAL COMMUNICATION. (3-3-0). Theory and practice of one-to-one communication. Extensive practice in oral communicative techniques relative to effective speaking situations involving two-person and small group environments. Attention paid to techniques applicable to organizational communication formats.

2510. WRITING FOR MASS MEDIA. (3-3-0). An introduction to the theories and skills of news gathering and news writing. Prerequisite: ENGL 1010 and 1020 with a "C" or higher.

3020. INTERCULTURAL COMMUNICATION. (3-3-0). This course will examine principles and theories of communication across cultures. Topics to be discussed include intercultural communication competence, cultural patterns of communication, verbal and nonverbal dimensions of intercultural communication, and obstacles to intercultural communication.

3040. NONVERBAL COMMUNICATION. (3-3-0). A survey of the effects of space, physical appearance, movement, eye behavior, and vocal behavior on interpersonal communication.

3050. COMMUNICATION LAW. (3-3-0). Legal limitations and privileges affecting publishing, broadcasting, and advertising. Prerequisite: Sophomore standing.

- 3060. PUBLIC RELATIONS PRINCIPLES.** (3-3-0). A study of the policies, procedures, ethics, and practices of building and maintaining positive relationships with an organization's various internal and external publics. Prerequisite: Sophomore standing.
- 3080. EDITING.** (3-3-0). Purposes, methods and techniques of editing for today's media. Emphasis on basic editorial skills, proofreading and copy editing. Prerequisite: COMM 2510 or consent of instructor.
- 3100. PARLIAMENTARY PROCEDURE.** (3-3-0). An introduction to parliamentary procedure. This course will take a very systematic approach beginning with a brief background of parliamentary procedure, examining each of the main types of motions and methods of voting, and providing examples of how organizations operate using parliamentary rules.
- 3120. GROUP DYNAMICS.** (3-3-0). Principles, purposes, and types of discussonal speaking; practice in informal discussion, round-table, panel, symposium, and assembly chairmanship.
- 3210. INTERVIEWS IN ORGANIZATIONAL SETTINGS.** (3-3-0). An introduction to interviewing theory, emphasizing the acquisition and application of interviewing skills.
- 3260. REPORTING AND WRITING FOR NEW MEDIA.** (3-3-0). The study and practice of reporting and producing articles for new media. Prerequisite: COMM 2510.
- 3400. BASIC RADIO PRODUCTION.** (3-3-0). An introduction to the planning and production of audio in radio, this course examines the special issues, techniques and production of audio communication. It will explore the elements of audio production and performance in general and will seek to place radio as the major venue of audio work in the framework of history and society. Designed to give students knowledge of the theory and practice of a radio station's operation and management. Fundamental to course is laboratory experience in audio production. Prerequisite: Sophomore standing.
- 3430. RADIO NEWS WRITING.** (3-3-0). Researching, writing and reporting for radio with practical experience in the use of these skills. Provide stories and live newscasts for the student radio station KNWD. Prerequisite: COMM 2510.
- 3440. BASIC VIDEO TECHNIQUES.** (3-3-0). Television equipment, studio and field practices. Practice with television cameras, microphones, editing equipment; television terminology. Prerequisite: Sophomore standing.
- 3480. DIGITAL VIDEO PRODUCING.** (3-3-0). The theories and skills needed to produce and edit professionally made videos using digital equipment. Students will learn to produce commercials, public service announcements, VO/SOTS and news packages. Emphasis is placed on editing skills on nonlinear editors. Prerequisite: COMM 3440 or consent of instructor.
- 3510. PRINCIPLES OF ADVERTISING.** (3-3-0). An introductory survey of the purposes, procedures, and effects of advertising, including legal and ethical responsibilities, societal roles, research procedures, media planning, creative strategy, and the environment of advertising practice. Prerequisite: Sophomore standing.
- 3520. NEWS REPORTING AND WRITING.** (3-3-0). Continuation of COMM 2510 with an emphasis on beat reporting methods for both print and online outlets. Assignments will include news articles submitted to the campus newspaper for publication in its print and online editions. Prerequisite: COMM 2510 with a "C" or better.
- 3530. VISUAL COMMUNICATION.** (3-3-0). Practical, hands-on experience in the design, layout and production of materials for mass communications. Assignments completed using desktop publishing hardware and software. Prerequisite: Sophomore standing.
- 3600. PUBLIC RELATIONS WRITING.** (3-3-0). Comprehensive study and application of varied public relations writing formats, with emphasis on communications theory; ethics and societal role of communications professionals; concepts and models for designing and delivering messages to diverse internal and external publics; and incorporating new and emerging technologies. Prerequisite: COMM 2510 and 3060, or consent of instructor.
- 3660. PUBLIC RELATIONS MANAGEMENT.** (3-3-0). Theories and principles relevant to public relations practice in agency, corporate and nonprofit organizations, including development of goals and objectives, client relationships, budgets, and research methods specific to the public relations practice. Prerequisite: COMM 3600 or consent of instructor.
- 4010. RHETORICAL ANALYSIS.** (3-3-0). Public address from classical times to the modern period in America and Europe. Speeches and speaking careers of outstanding statesmen, lawyers, and clergymen. Types of speech criticism and measures of effectiveness of public address.
- 4020. BUSINESS, EDUCATIONAL AND PROFESSIONAL SPEAKING.** (3-3-0). Advanced study, preparation and presentation of business and professional speeches; conference leadership and persuasive and informational presentations. Instructional presentations, policy speeches, speeches for special occasions, and the use of visual aids in explanation and demonstration. Prerequisite: 1010 or certificate to teach.
- 4030. RHETORICAL THEORY.** (3-3-0). Significant developments in rhetorical theory and practice in classical, medieval, and Renaissance periods as well as the modern period in Europe and America.
- 4040. FEATURE WRITING.** (3-3-0). Study and practice of writing feature articles for the mass media. Prerequisite: COMM 2510 or consent of instructor.
- 4110. COMMUNICATION THEORY.** (3-3-0). Consists of an overview of theories that explain a wide range of communication phenomena in interpersonal relationships, mass communication, messages, groups and organizations and diverse cultures.
- 4120. ORGANIZATIONAL COMMUNICATION.** (3-3-0). This course will explore the role that human communication plays in structuring, maintaining, and changing task-oriented organizations. Topics to be discussed include relevant theories, technologies, organizational culture, leadership, teamwork, diversity, global organizations, assessing organizational communication, and ethics.
- 4130. COMMUNICATION RESEARCH METHODS.** (3-3-0). Introduction to qualitative and quantitative methods of analysis. The qualitative component will consider ethnographies, discourse analysis, and rhetorical analysis while the quantitative component will examine descriptive and experimental methods in communication. These alternative methodologies will allow for greater understanding and critical evaluation of research designs.
- 4200. MASS MEDIA INTERNSHIP/SEMINAR.** (3-1-0). Preparation for obtaining entry-level employment in professional media, and completion of an internship in an approved professional media organization. Prerequisite: Communication majors only; junior/senior standing; overall minimum 2.0 GPA; permission of instructor required. Corequisite: Maximum of 9 hours of concurrent enrollment.
- 4220. ORGANIZATIONAL CULTURE AND COMMUNICATION.** (3-3-0). An examination of the role of communication on the creation, maintenance, and modification of organizational culture. The first part of the course introduces students to the concept of culture and its impact on members of work organizations. The second part will consider the consequences of communication and organizational culture on organizational concerns including: corporate ethics, leadership, supervisor-subordinate relations, and motivation.

COMPUTER INFORMATION SYSTEMS (CIS)

For Undergraduates Only

- 4250. CONFLICT MANAGEMENT.** (3-3-0). This course is designed to offer students opportunities to enhance and improve their techniques and skills in dealing with and mediating organizational conflict management. Topics to be addressed will include methods to productively manage interpersonal disputes between individuals and groups within the organizational environment, systems thinking and its relationship to conflict management, design, implementation, and evaluation of management strategies, as well as negotiation strategies and their role in managing conflict.
- 4270. LEADERSHIP.** (3-3-0). Theories, styles, and components of organizational leadership; communication behaviors of leaders in organizations. History of the study of leadership; new theories and concepts related to leaders as managers of organizational culture and change.
- 4280. COMMUNICATION AND POWER.** (3-3-0). The study of the relationship between various communication practices and social control. The use of discourse to create and subvert power in dyads, groups, organizations and communities.
- 4290. ADVANCE TOPICS IN ORGANIZATIONAL COMMUNICATION.** (3-3-0).
 Subtitle:
 01 – Communication Campaigns. An advanced skill development course in which student teams organize and create communication campaigns by integrating advertising, public relations, sales promotion, direct response and other IMC tools. Using a campaign outline, students will examine the organization, structure, components, and preparation of an integrated communication campaign. Student teams will select a local business (private sector), non-profit organization, or governmental unit as a focus for a completed campaign. The major product of this course is a completed campaign proposal for their business or organization.
- 4310. GLOBALIZATION AND INTERNATIONAL COMMUNICATION.** (3-3-0). An introduction to recent theories of globalization. This course will examine different “international” communication theories and their ramifications on international and inter-cultural communication.
- 4320. ETHICS IN MASS COMMUNICATION.** (3-3-0). A study of ethics and applied situations in mass communication. Prerequisite: Junior or senior standing.
- 4420. TELEVISION NEWS REPORTING.** (3-3-0). Shooting, editing, writing and producing television news; planning and preparation for production of live newscasts complete with video packages. Prerequisite: COMM 2510, 3440, 3480 or consent of instructor.
- 4470. TELEVISION PRODUCING/ DIRECTING ACTIVITIES.** (3-3-0). Producing and directing programs for television, both in field and in studio. Emphasis on producing and directing newscasts and educational programs. Prerequisite: COMM 3440 or consent of instructor.
- 4520. SPECIAL PROBLEMS IN MASS COMMUNICATION.** (3-3-0). Study of special topics or problems in mass communication. Prerequisite: Consent of instructor. Repeatable for undergraduate credit only to six hours as subject changes.
- 4600. LITERARY JOURNALISM.** (3-3-0). Study of literary techniques used to report on actual people, places, and events. Critical reading and understanding of nonfiction prose, with an emphasis on works written by women and minorities. Practice in employing narrative writing strategies that meet the standards of professional journalism. Consideration of ethical issues. Prerequisite: 9 semester hours of English, junior standing.
- 4910. COMMUNICATION INTERNSHIP/SEMINAR.** (3-1 to 2-1to2). Preparation for obtaining entry-level employment in a professional, political, or nonprofit organization, and completion of an internship in an approved professional, political, or nonprofit organization. Prerequisite: Communication majors only; junior/senior standing; overall minimum 2.0 GPA; permission of instructor required. Corequisite: Maximum of 9 hours of concurrent enrollment.

- 1010. INTRODUCTION TO PROGRAMMING CONCEPTS.** (3-3-0). Students are introduced to the basic elements of developing programs by manipulating characters and objects in an interactive 3D world. Concepts addressed include components of programs, object oriented program elements, basic programming methods, and simple program design. Prerequisite: General familiarity with operating a computer and using basic features of a word processor program.
- 1030. INTRODUCTION TO SOFTWARE DEVELOPMENT.** (3-3-0). An introduction to software development to include: an introduction to database and file concepts; an introduction to techniques and methods used in making decisions with data; and introduction to visual and object-oriented programming and design concepts. Pre- or Co-requisite: Math 1020.
- 1060. UNDERSTANDING AND USING THE INTERNET.** (3-3-0). Fundamental concepts of accessing and utilizing the Internet. Using Internet tools such as electronic mail, discussion groups, and network browsing for academic purposes. The course will be conducted almost entirely on the Internet. The final exam will require a proctor. No previous Internet experience required.
- 1090. INTRODUCTION TO COMPUTER APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOS (Microsoft Office Specialist) Core Certification in Word and PowerPoint. Attention is given to developing competency in computer related skills for academic applications. These skills include Windows, word processing, and graphic presentation software. There are no prerequisites for this class.
- 2000. SPREADSHEET APPLICATIONS.** (3-3-0). This course is designed to assist students in preparing for the MOUS (Microsoft Office User Specialist) Word Expert Certification and the MOUS Excel Core and Expert Certification. Attention is given to developing advanced skills in word processing and spreadsheets including data exchange between these two types of applications. Prerequisites: CIS 1010 or CIS 1060 or CIS 1090 or BUAD 1800 or equivalent course.
- 2020. INTRODUCTION TO PROGRAMMING.** (3-3-0). An introduction to procedural programming using COBOL. Course delivery will be via an IBM enterprise server. Students will be introduced to Job Control Language (JCL). Students will analyze and program typical business-oriented problems using a modular and structured programming approach. Students will be introduced to data analysis via file structures and data fields. Prerequisite: 1030.
- 2050. ESSENTIALS OF NETWORK DESIGN AND OPERATION.** (3-3-0). Introduction to networking basics with a focus on network terminology, protocols, Local Area Networks (LANs), Wide Area Networks (WANs), Open System Interconnection (OSI) model, Internet Protocol (IP) addressing, and network exchange information and how the internet functions. Students will develop skills in analyzing and designing network configurations.
- 2070. INTRODUCTION TO DATABASE APPLICATIONS.** (3-3-0). Introduction to the database concepts and software skills necessary for the design and development of a basic database system. This includes the tables, queries, forms, reports, and web pages within the database.
- 2100. SOFTWARE DEVELOPMENT.** (3-3-0). Students will use a visually-based, Integrated Development Environment to design and write programs of increasing complexity using object-oriented programming techniques. Prerequisite: 1030.
- 2980. DATABASE SYSTEMS.** (3-3-0). Study of the design, implementation, and management of database systems in a business environment. Topics include data modeling, normalization, SQL, DML, DDL, and the utilization of a relational database management system to develop an integrated database application. Prerequisite: 1030.

- 3000. INTERMEDIATE APPLICATION DEVELOPMENT.** (3-3-0). Continued procedural programming from CIS 2020 via an IBM enterprise server and Job Control Language (JCL). Students will design and implement assignments that include multi-file processing and multi-level table handling. The course emphasizes advanced problem situations such as file updates via transaction files, data validation, and multi-level control break reporting. Prerequisite: 2020.
- 3020. WEB PAGE DEVELOPMENT.** (3-3-0). This course provides a fundamental understanding of the tools, skills, and general design concepts required to develop web pages. Students will develop and implement web pages, modify images and create web-site navigation systems. Prerequisite: CIS 1010 or CIS 1020 or BUAD 1800 or demonstrated computer fluency.
- 3050. MULTIMEDIA COMMUNICATION AND PRESENTATION.** (3-3-0). Emphasis on planning and delivering presentations enhanced by multimedia within a professional work environment. Concepts, design, and experience in developing multimedia presentations. Open to all majors. Prerequisite: CIS 1010 or CIS 1090 or BUAD 1800 or equivalent course.
- 3070. FUNDAMENTALS OF SYSTEMS DEVELOPMENT.** (3-3-0). A project-oriented study of the development of small business systems. Students will analyze, design and implement some application of a small business system. Students will learn how to design and write a proposal (requirements statement and business model). Students will develop a small database and design and create the user interface. Prerequisite: CIS 2070 or CIS 2980.
- 3100. INFORMATION SYSTEMS AND TECHNOLOGY IN BUSINESS.** (3-3-0). This course provides an overview of various business information systems and technologies and how they work together to support business decision making. Topics to be covered include business IT infrastructure, business intelligence, e-business, design and development of effective business information systems, and ethics and information security issues. A project is required involving one of the following: business intelligence decision support, business modeling or web design. Prerequisite: CIS 1010 or CIS 1020 or BUAD 1800 or demonstrated computer literacy.
- 3300. INTERMEDIATE OBJECT-ORIENTED PROGRAMMING.** (3-3-0). An intermediate course in object-oriented programming using the Java programming language. The course explores the basic constructs and syntax of the language, including data types, control statements, methods, arrays, classes, and objects. Students will develop programs to solve a variety of problems in math, science, business, and gaming. Students will perform laboratory-based activities to demonstrate programming proficiency. Prerequisite: CIS 1030.
- 3400. TELECOMMUNICATIONS AND NETWORKS.** (3-3-0). An in-depth course exploring the fundamental building blocks that form a modern network, such as protocols, topologies, hardware, and network operating systems. The course provides coverage of the most important concepts in contemporary networking, such as TCP/IP, Ethernet, wireless transmission, and security. The course will prepare students to select the best network design, hardware, and software for their environment, as well as maintain, upgrade, and troubleshoot an existing network. The course is designed to prepare students for a networking certification exam. Prerequisite: CIS 2050 or CIS 2980.
- 3900. SYSTEMS ANALYSIS AND DEVELOPMENT.** (3-3-0). A project-oriented study of the planning, analysis, design and implementation of business software systems. Prototyping and object-oriented analysis and design methodologies will be covered. Unified Modeling Language (UML) will be covered. Emphasis is on both data modeling and object modeling. Prerequisite: 2980.
- 3980. INTRODUCTION TO INFORMATION SECURITY.** (3-3-0). This course provides an overview of Information Security. It is designed to provide students with practical knowledge about important issues in Information Security from both the technical and administrative viewpoint, with an emphasis on the managerial implications. The course examines the significance of security in today's information systems; the potential threats to the information security; the various technical tools people use to enhance information security; and the managerial and legal implications of information security. Prerequisite: CIS 1010 or CIS 1090 or BUAD 1800 or demonstrated computer literacy.
- 4000. ADVANCED DATABASE SYSTEMS.** (3-3-0). Advanced topics and techniques of database system technology. Students will design and implement software components integral to database systems using a modern enterprise database management system (DBMS). Prerequisite: 2980.
- 4020. ADVANCED OBJECT-ORIENTED PROGRAMMING.** (3-3-0). An in-depth course further exploring advanced design and programming paradigm using the Java programming language. The course emphasizes inheritance and polymorphism, abstract classes and interfaces, exception handling, file input and output, and graphical user interfaces (GUIs). Students will develop programs to solve a variety of problems in math, science, business, and gaming. Students will perform laboratory-based activities to demonstrate programming proficiency. Prerequisites: CIS 3300.
- 4030. WEB APPLICATIONS: CLIENT-SIDE DEVELOPMENT.** (3-3-0). This course introduces the student to design and development issues associated with client side functionality in web based systems. Students will develop and implement web pages incorporating techniques that address web page structure and content, user interaction, and web site navigation. These pages will incorporate client side functionality using DHTML, JavaScript programming with client-side objects, and Cascading Style Sheets. Prerequisites: CIS 3020.
- 4040. CYBER FORENSICS.** (3-3-0). This course provides an examination and analysis of advanced critical issues of computer crime. Emphasis will be placed on such advanced computer forensic science capabilities as target hardware and software, tools for data duplication, recovery, and analysis, and development of pre-search or on-scene computer investigative techniques. Prerequisites: CIS 1090 or BUAD 1800 or consent of instructor.
- 4050. ESSENTIALS OF HARDWARE/SOFTWARE.** (3-3-0). Essentials of basic computer hardware and operating systems covering skills such as installation, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and preventive maintenance with additional elements of security and soft skills will be presented. Preparation for the CompTIA's A+OS Technologies exam will be provided. Students will be required to take the PCPro Certification Exam provided by TestOut.
- 4100. WEB APPLICATIONS: SERVER-SIDE DEVELOPMENT.** (3-3-0). The course introduces the student to the issues and practices associated with the implementation and operation of multi-tier web-aware organizational applications and databases. Students will build an interactive, dynamic, data-driven web site utilizing the PHP server-side scripting language that will interface with a MySQL database for dynamic content. Security issues will be addressed through an understanding of issues and tools involving server-side design methodologies such as session handling and validation. Students will perform laboratory-based activities to demonstrate programming proficiency. Prerequisite: CIS 2980 and CIS 3300.
- 4200. TOPICS IN INFORMATION SYSTEMS DEVELOPMENT.** (3-3-0). An in-depth study of leading-edge topics in information systems not explicitly included within established courses. Candidate topics may include, but are not limited to: data warehousing, data mining, component-

based development and advanced object-oriented analysis and design or advanced programming projects. May include special field projects for students who have had at least one advanced programming course; or may require a series of special software development assignments to help students prepare for special skill sets required by potential employers. May be repeated for credit when topics vary. Prerequisites: 2100 and 2980 or consent of instructor.

- 4220. NETWORK IMPLEMENTATION AND ADMINISTRATION.** (3-3-0). A study of network implementation and administration in an enterprise. Prerequisite: 3400.
- 4300. COLLABORATIVE FIELD PROJECT.** (3-3-0). Practical field experience in information systems development. Project must be approved by CIS faculty prior to registration. Students are encouraged to obtain an internship with a company performing some systems analysis, database and programming experience. In the event that a formal internship is unfeasible students will participate in a collaborative real world or simulated corporate project. The real world project may be replicated by multiple teams toward a best single solution. Project must be approved by CIS Coordinator prior to registration. Prerequisite: Approval of CIS Coordinator and GPA of 2.5 in major.
- 4400. TOPICS IN E-COMMERCE.** (3-3-0). An in-depth study of leading-edge topics in e-commerce systems not explicitly included within established courses. Candidate topics may include, but are not limited to: XML, Perl, PHP, JSP, advanced topics in server side and client side applications development. May be repeated for credit when topics vary. Prerequisites: Consent of instructor.
- 4600. ADVANCED SYSTEMS DEVELOPMENT.** (3-3-0). A capstone, project-oriented study of the planning, analysis, design and implementation of a business system using model-based software tools and other development platforms. Much attention is given to communication and teaming skills. Student teams will be given a user-request for development. Deliverables include: 1) user interviews, 2) project plan, 3) feasibility study and cost-benefit analysis, 4) business model, 5) interface design, 6) database design, 7) program design and 8) program functionality of a sub-system. A final project presentation by each student team will be required. Prerequisites: CIS 3900 and credit for CIS 4100 or enrollment in CIS 4100.
- 4700. TOPICS IN INFORMATION TECHNOLOGY HARDWARE AND SOFTWARE.** (3-3-0). An in-depth study of current technology as it relates to either hardware or software. Topics may include, but are not limited to: Multimedia technology, PC hardware configurations, operating systems, assembly and machine languages, data structures, wireless technology, vendor certification in networks, operating systems, databases or development tools. May be repeated for credit when topics vary. Prerequisites: 2980 or consent of instructor.

COMPUTER SCIENCE (CSC)

For Undergraduates Only

- 1060. PROGRAM DESIGN I.** (3-3-0). Fundamental concepts of structured programming. Emphasis is on correct program design, algorithm analysis, and problem solving methods. Prerequisite: Mathematics 1020, or Mathematics 1100, or Mathematics 1810, or Mathematics 2100.
- 2030. INTRODUCTION TO SCRIPTING WITH PERL.** (3-3-0). Fundamentals of Perl scripting. Topics include basic data structures, regular expressions, references, packages, modules, object-oriented aspects of Perl, and CGI programming with Perl. Prerequisite: CSC 1060.
- 2060. PROGRAM DESIGN II.** (3-3-0). Introduction to data structures (arrays, stacks, linked lists, queues, trees, file structures, etc.) and their applications; modular programming; programming in the large; and abstract data types. Prerequisite: CSC 1060.

- 3050. PROGRAMMING LANGUAGES.** (3-3-0). Syntactic and semantic concepts of programming languages, BNF grammars, syntax, diagrams, scope, binding time, parameter passing mechanisms, data types, control constructs. Survey and comparison of various languages. Prerequisite: CSC 2060.
- 3060. DATABASE THEORY AND DESIGN.** (3-3-0). Advanced treatment of database and information system models (hierarchical, network and relational), design of DBMS or IS system, normal forms, introduction to expert systems and advanced data models, structured query language (SQL), and Perl Database Interface (DBI). Prerequisite: CSC 2030.

COOPERATIVE OCCUPATIONS EXPERIENCE (COOP)

For Undergraduates Only

- 1010. COOPERATIVE OCCUPATIONAL EXPERIENCE I.** (2-0-0). Supervised work experience in related occupational areas. May be repeated three times. Prerequisite: Admission to the cooperative program.
- 3010. COOPERATIVE OCCUPATIONAL EXPERIENCE II.** (1-0-0). Supervised work experience program for students who leave the campus for one semester to work full-time in a major related field. May be repeated three times. Prerequisite: Admission to the cooperative program. Grading pass/fail.

COUNSELING (COUN)

For Graduates Only

- 5000. DYNAMICS OF THE COUNSELING PROCESS.** (3-2-2). Introduction to the field of counseling including philosophical and psychological bases for counseling practice; instruction in basic counseling skills and techniques. Attendance at laboratory sessions required.
- 5510. CAREER AND LIFESTYLE PLANNING.** (3-2-2). Pertinent philosophy and theories of career development, sources of career information and technology designed to assist individuals and groups in lifelong career and lifestyle planning.
- 5530. THEORIES OF COUNSELING.** (3-3-0). Philosophy, theory, and methods of counseling, techniques used by the counselor in realizing the objectives sought in the counseling interview. Prerequisite or corequisite: 5000; 5540 or Student Affairs in Higher Education 5500 or consent of instructor.
- 5540. ORGANIZATIONAL BEHAVIOR AND LEADERSHIP IN SCHOOL COUNSELING.** (3-3-0). Relationship of counseling and collaboration with other areas of education - academic units within schools, family units, and the community; study of the organizational behavior of schools; study of the counselor as an educational leader in organizing, coordinating, and interpreting all phases of the counseling program.
- 5550. SUPERVISED EXPERIENCE/PRACTICUM.** (3-3-5). Supervised training opportunity to practice and demonstrate competency in the practical application and integration of principles and methods which have been studied in the training program. Required for students completing the Clinical Mental Health Concentration in Counseling. Prerequisite: A grade of B or better in COUN 5000 and COUN 5530, full admission to the Counseling Program, and permission of program faculty.
- 5560. COUNSELING INTERNSHIP.** (3-1-20). Improvement of competencies in counseling through extensive experience in guidance and counseling under supervision. Experience entails a minimum of 300 hours of service (including 120 hours of direct contact with the target clientele) per three credit hour course. This course may be taken for 3 or 6 hours in a semester. Prerequisite: Program faculty permission and a grade of B or better in either COUN 5550 or 5570.

- 5570. SUPERVISED EXPERIENCE IN SCHOOL COUNSELING.** (3-3-5). Opportunity to practice and demonstrate competency in the practical application and integration of principles and methods studied in the training program in a school setting. Prerequisite or corequisite: A grade of "B" or better must be earned in Counseling 5000, 5530, 5540, and 5580; students must successfully complete the application process for practicum the semester prior to enrolling in Counseling 5570.
- 5580. GROUP PROCESS FOR COUNSELORS.** (3-3-0). Principles and techniques of group procedures; analysis of interactions and roles played within groups; function of group counseling. Prerequisite: COUN 5000, 5530 or consent of instructor.
- 5590. SPECIAL PROBLEMS IN COUNSELING.** (1 to 3-1 to 3-0). Seminar requiring individual investigation of problems in guidance, culminating in a research report. Prerequisite: Education 5010; 5540 or Student Affairs in Higher Education 5500, and six additional hours of credit in counseling courses.
- 5600. SEMINAR IN ELEMENTARY SCHOOL COUNSELING.** (3-3-0). Principles and techniques of counseling applicable to elementary school. Prerequisite: 5540 or consent of instructor.
- 5610. MULTICULTURAL AND DIVERSE POPULATIONS.** (3-3-0). Didactic and experiential study of selected ethnic and diverse populations. Culturally relevant models of theory and practice will be explored to develop attitudes, knowledge, and skills necessary to counsel with diverse populations. Prerequisite: COUN 5000 or consent of instructor.
- 5650. PROCEDURES IN FAMILY COUNSELING.** (3-3-0). Theory and process in family counseling; problem solving techniques applied to parent-child conflict. Prerequisite: 5530.
- 5800. ALCOHOL AND DRUG ABUSE COUNSELING.** (3-3-0). Didactic and experiential study of the 12 core functions utilized in Alcohol and Drug Abuse Counseling. Covers basic steps in assessing, developing, and implementing a program of recovery.
- 5810. CAREER DEVELOPMENT IN CHILDHOOD.** (3-3-0). Psychology of career development in childhood; preparation of counselors in orienting children to the world of work. Prerequisite: 5540.
- 5820. CRISIS, TRAUMA, GRIEF AND LOSS COUNSELING.** (3-3-0). This course will encompass the influence of crises, loss, disasters, and events in individuals' lives that cause stress-induced trauma. Suicide assessment, intervention and prevention strategies will be addressed as well as the theory and practical application of crisis intervention techniques.
- 5830. INTRODUCTION TO CLINICAL MENTAL HEALTH COUNSELING.** (3-3-0). This course provides an overview of the theory and practice of counseling in human services agencies and other community settings. Emphasis is given to the role, function, and professional identity of community counselors, and to principles and practices of community outreach, intervention, education, consultation, and client advocacy.
- 5840. ADVANCED DIAGNOSIS AND PSYCHOPHARMACOLOGY.** (3-3-0). This course will prepare counselors to provide services in conjunction with a psychopharmacological prescriber. Content will include the merger of psychotherapy and pharmacotherapy, history, efficacy and present standard of care. Ethical and legal issues for the non-medical counselor relating to pharmacotherapy will be covered. Numerous case examples demonstrating appropriate psychopharmacologic management and strategies for developing a collaborative relationship with the prescriber will be presented. Prerequisites: COUN 6520, COUN 5550 or COUN 5570.
- 5850. ADVANCED TECHNIQUES IN COUNSELING.** (3-3-0). The study of specialized strategies, interventions and techniques involved in therapeutic work with individuals and family systems. The experiential approach to the development of counseling skills and the conceptualization of clients concerns. Prerequisite: Grade of B or better in COUN 5000.
- 5870. COUNSELING THE GIFTED.** (3-3-0). Designed to provide school personnel and parents with techniques for enhancing interpersonal relationships with gifted students. Emphasis on counseling/communication skills and specific strategies for facilitating emotional wellness and coping ability in these students. Prerequisite: Special Education 5840 or consent of instructor. (Same as Special Education 5870).
- 5980. THESIS.** (1 to 6-0-1 to 6).
- 5990. FIELD STUDY IN COUNSELING.** (6-6-0). Student will originate, develop, field-test and evaluate a project designed to investigate an educational problem in the public schools. Project must have the approval of the student's advisory committee.
- 6500. ISSUES AND ETHICS IN COUNSELING.** (3-3-0). Ethics, legal issues, values, and professionalism related to counseling, including understanding and use of Codes of Ethics, critical examination and learning of models of ethical decision-making, and developing ethical conduct. Prerequisites: 5000, 5530, Educational Psychology 5520.
- 6510. FIELD EXPERIENCES IN OCCUPATIONAL DEVELOPMENT.** (3-3-0). Vocational theories, structures, and trends in this geographical area. Participants visit work sites and write occupational critiques of these visits. Opportunity to plan, develop, present and evaluate under supervision an in-depth project related to career development in a variety of settings. Prerequisite: 5510.
- 6520. DIFFERENTIAL DIAGNOSIS AND TREATMENT IN COUNSELING.** (3-3-0). Differential diagnostic procedures and treatment strategies of abnormal behavior for use by counselors. Prerequisites: 5550 or 5570.
- 6530. COUNSELING SEMINAR.** (3-3-0). Research, issues, and areas in counseling. Synthesizing of a personal theory of counseling. Prerequisite: 5550 or consent of instructor.
- Subtitles:
01: General Topics/Trends and Issues
02: Advanced Group Leadership
03: Counseling Supervision

CRIMINAL JUSTICE (CJ)

For Undergraduates Only

- 1100. INTRODUCTION TO CRIMINAL JUSTICE.** (3-3-0). Agencies and processes in the criminal justice system: the legislature, the police, the prosecutor, the public defender, the courts, and corrections. Roles and problems of law enforcement in a democratic society; inter-component relations and checks and balances.
- 2160. COMMUNITY RELATIONS IN CRIMINAL JUSTICE.** (3-3-0). Problems in citizen relations; treatment of victims, witnesses, and jurors; citizen involvement in the criminal justice process; how popular culture and the media affects and impacts these relationships. Prerequisite: 1100.
- 2300. POLICE PROCESS.** (3-3-0). Social and historical settings of the police; police role and career; police discretion; police values and culture; organization and control. Prerequisite: 1100.
- 2400. ADJUDICATION PROCESS.** (3-3-0). Role and structure of prosecution, public defense, and courts; basic elements of the substantive criminal law; procedural law and relation to constitutional guarantees. Prerequisite: 1100.
- 2500. CORRECTIONS PROCESS.** (3-3-0). Post-conviction correction process; development of a correctional philosophy, theory and practices; description of institutional operation, programming, and management; community base correction; probation and parole. Prerequisite: 1100.
- 2600. INTRODUCTION TO CRIMINALISTICS AND FORENSIC SCIENCE.** (3-3-0). The application of science to law in a criminal justice setting. Students will explore the role that physics, chemistry, biology, pathology, anatomy, psychology, and other major branches of science play in courtroom settings. Emphasis will be placed on the historical evolution of forensic science, terminology, and how scientific

- methods are used to solve crimes. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Sophomore status and a declared major in criminal justice; or permission of the instructor.
3040. **CRIMINOLOGY, FOUNDATIONS, AND PUNISHMENTS.** (3-3-0). A scientific approach to the study of criminal behavior: the etiology (origin), extent, and nature of crime in society, foundations and punishment. Prerequisite: 2500 or consent of instructor.
3090. **JUVENILE DELINQUENCY AND JUSTICE.** (3-3-0). The study of diverse views and perspectives that characterize the study of juvenile delinquency and justice and reflect its interdisciplinary nature: research, theory, law, policy, and practice. Prerequisite: SOC 1010 or consent of instructor.
3350. **ANALYSIS OF POLICE OPERATIONS.** (3-3-0). Police organizations and management; allocation of police resources; information systems; community-relations concerns; determinants of police policy. Prerequisite: 2300.
3360. **CRIMINAL INVESTIGATION.** (3-3-0). Fundamentals of investigation; crime-scene search and recording; collection and preservation of physical evidence; scientific aids; modus operandi; sources of information; interview and interrogation; follow-up and case preparation. Prerequisite: 2300.
3370. **COMMUNITY POLICING.** (3-3-0). The meaning of community policing including its history, impact on crime, disorder and citizen fear of crime; the Flint experience; importance of community involvement and methods to enlist its support; community policing as a philosophy; dealing with problems in the community: gangs, homelessness, minorities, students, tourists, transients and drugs; evaluation of the future of community policing.
3380. **CRIMINAL JUSTICE ETHICS.** (3-3-0). A comprehensive examination of theoretical and applied ethics and moral philosophy in criminal justice. It begins with a classical introduction from antiquity and continues to present day. The practical focus of ethical decision making topics will center on law enforcement ethics, correctional ethics, and probation/parole ethics and will include scenarios. Prerequisite: 2300 or permission of instructor.
4000. **PRACTICUM IN CRIMINAL JUSTICE.** (6-0-18). This course will give selected criminal justice students an opportunity to observe firsthand, the criminal justice system. The student will spend at least 18 hours each week in the field at an assigned criminal justice agency. Practicum students are expected to submit a research paper about their activities, to their instructor, prior to the end of the semester in which the course is taken. Prerequisite: Criminal justice major, senior standing, 3.0 GPA in major, and approval by criminal justice advisor.
4110. **SPECIAL PROBLEMS.** (1 to 3-3-0). Directed individual study of a problem related to the field of criminal justice. Prerequisite: 1100 and junior or senior standing; scheduled by arrangement with instructor only.
4200. **INTRODUCTION TO CRIMINAL JUSTICE RESEARCH.** (3-3-0). Basic introduction to the various types of research questions that arise in criminology and criminal justice: covers a broad range of research strategies including a variety of data collection techniques and other analytical tools that exist to serve the needs of most researchers. (UPSA 4200 may be taken in lieu of CJ 4200.) Prerequisite: 6 hours of math or consent of instructor.
4250. **COMMUNITY BASED CORRECTIONS.** (3-3-0). History, philosophy, and theory of pre-institutional, and after-care programs for probationers and parolees; the reintegration of the offender back into the community through community based corrections including diversion, pretrial release, deferred sentencing, half-way houses, and work release. Prerequisite: 2500 or consent of instructor.
4450. **CRIMINAL LAW.** (3-3-0). The legal definition of crime and defenses; purposes and functions of the substantive criminal law; historical foundations; limits of criminal law; case study approach. Prerequisite: 2400.

4460. **CRIMINAL EVIDENCE AND PROCEDURE.** (3-3-0). Constitutional and procedural considerations affecting arrest, search and seizure, post-conviction treatment; origin, development, philosophy, constitutional basis of evidence; kinds and degrees of evidence and rules governing admissibility; judicial decisions interpreting individual rights and case studies; case study approach. Prerequisite: 2400.
4470. **ADVANCED CRIMINALISTICS AND FORENSIC SCIENCES.** (3-3-0). The practical application of science to law in a criminal justice setting. Students will fully examine the role that physics, chemistry, biology, pathology, anatomy, psychology, and other branches of science play in courtroom settings. Emphasis will be placed on the practical application of scientific methods in relation to crime solving. This course involves active participation in both lecture and in laboratory/field exercises. Prerequisite: Junior status, a declared major in criminal justice, and successful completion of CJ 2600 and CJ 3360.
4475. **HOMELAND SECURITY.** (3-3-0). A study of the interrelatedness of Homeland Security and the Public Safety Sector. Prerequisite: 2300.
4480. **SENIOR SEMINAR IN CRIMINAL JUSTICE.** (2-2-0). This course is an integration of all academic criminal justice learning, knowledge and skills which provides students a total understanding of the criminal justice system. Furthermore, this course provides a venue for students to meet with criminal justice faculty for culmination purposes, such as preparation for senior testing, preparation for graduation, or preparation for entering criminal justice agencies. Prerequisite: Declared major in Criminal Justice, final semester of senior year, and approval of the Criminal Justice Program Coordinator.
4490. **TEAM AND ORGANIZATIONAL LEADERSHIP.** (3-3-0). This course will prepare those currently in supervisory or management positions (or those who seek to be) to assess and develop their potential for leadership in the Criminal Justice System. Students will understand the differences between leadership and management, study an overview of leadership theory, and learn a new model for transformative leadership interventions in groups and organizations. As potential agents of positive change, students will assess and develop key knowledge and skill areas that will enable them to facilitate the development of individuals, groups and organizations. Finally, learners will develop the ability to shift their styles, skills and roles appropriately, thereby increasing the effectiveness of their interventions. The knowledge and skills in this course will be applicable to a wide range of applications in the Criminal Justice System. Students will design and implement a proposal that will start a process of positive change in a setting of their choice in the Criminal Justice System, in their communities, in their families, or in their lives.
4500. **DRUG USE IN MODERN SOCIETY.** (3-3-0). This course explores the extent of drug use, both licit and illicit; contributing factors and consequences of drug abuse; and steroids and other drugs in sports. Prerequisite: Junior standing or consent of instructor.
4590. **POLICE LEADERSHIP AND ADMINISTRATION.** (3-3-0). This course is about the importance of developing police leaders, and the organization, management and administration of law enforcement agencies.

CULINARY ARTS (CULA)

For Undergraduates Only

3080. **GARDE-MANGER.** (3-1-4). Study of basic garde-manger principles with emphasis on the development of skills in the preparation of salads, cold sauces, appetizers, garnishes, decorative carvings and their applications. Emphasis on color, texture, and temperature in preparation and presentation. Students are required to purchase a uniform in this course. Prerequisite: FACS 2010, junior standing.

- 3100. ADVANCED PROFESSIONAL CULINARY PREPARATION AND PRESENTATION.** (3-1-4). Advanced theory and skill development in the preparation and use of thickening agents, stocks, soups, and sauces as well as the primary cooking methods. Advanced development of knife skills. Students are required to purchase a quality knife set in this course. Prerequisite: FACS 2010, junior standing.
- 3200. ADVANCED BAKING AND PASTRY.** (3-1-4). Techniques of advanced baking. Principles of product preparation and presentation of an array of yeast bread products, quick breads, short doughs, cookie doughs, cake methods and a variety of pastry items. Prerequisite: FACS 2010, junior standing.
- 3250. ADVANCED CATERING AND SPECIAL FUNCTIONS.** (3-1-4). Principles of catering and special function operations with emphasis on cost analysis, and use of event orders for staffing, food production and room set-up; sales, responsible alcohol service; wine appreciation, sales and service; equipment management and service styles. Prerequisite: FACS 3070.
- 4110. SPECIAL PROBLEMS IN CULINARY ARTS.** (1 to 3-1-4). Special problems in culinary arts, selected in accordance with needs of the student. Individual and class study of specialized problems and foodservice systems development; for advanced students who are interested in and have a need for work in a particular area of culinary arts.

DANCE (DAN)

Activity Courses for Men and Women

- 1170. VARSITY DANCE.** (2-0-6).

Performance Ensembles

For dance majors and minors, and other students by audition.
Prerequisite: Consent of instructor.

- 1180. DANCE LINE.** (2-0-6).
2400. BALLET COMPANY. (2-0-6).
2410. JAZZ DANCE ENSEMBLE. (2-0-6).
2440. MODERN DANCE ENSEMBLE. (2-0-6).
3550. TAP DANCE REPERTORY. (2-0-3).

¹ May be repeated for credit as permitted by University policy on credit for Extra Curricula Activity.

Performance Instruction

For dance majors and minors, and other students by audition.
Prerequisite: Consent of instructor.

- 1100. BEGINNING BALLET.** (2-0-3).
1110. JAZZ DANCE. (2-0-3).
1150. BEGINNING TAP DANCE. (2-0-3).
1300. BEGINNING JAZZ TECHNIQUE. (2-0-3). Practices and techniques of jazz performance. Prerequisite: Theatre major/dance minor only.
1570. BEGINNING TAP TECHNIQUE. (2-0-3). Practices and techniques of tap performance. Prerequisite: Theatre major/dance minor only.
1700. BEGINNING BALLET TECHNIQUE. (2-0-3). Practices and techniques of ballet performance. Prerequisite: Theatre major/dance minor only.
2700. INTERMEDIATE BALLET TECHNIQUE. (2-0-3). Practices and techniques of ballet performance. Prerequisite: 1700 or consent of instructor.
3700. ADVANCED BALLET TECHNIQUE. (2-0-3). Practices and techniques of ballet performance. Prerequisite: 1100, 1700, 1110, 1510, or consent of instructor.

For Undergraduates Only

- 1070. DANCE HISTORY I.** (3-3-0). This course is designed to teach the evolution of dance history, with reference to the Art of the Dance, The Participants, and Dance Genres (Ballet, Modern Dance, and Jazz Dance).

- 1510. INTERMEDIATE JAZZ DANCE.** (2-0-3). Techniques. May be repeated for credit, maximum six hours. Prerequisite: 1110.
1540. INTERMEDIATE MODERN DANCE. (2-0-3). Practices and techniques of modern dance performance. May be repeated for credit, maximum 6 hours. Prerequisite: 1740 or consent of instructor.
1550. INTERMEDIATE TAP DANCE. (2-0-3). Skills. May be repeated for credit, maximum six hours. Prerequisite: 1150.
1740. BEGINNING MODERN DANCE TECHNIQUE. (2-0-3). Practices and techniques of modern dance performance. Prerequisite: Theatre major/dance minor only.
2050. RHYTHMIC ANALYSIS AND DANCE ACCOMPANIMENT. (3-3-0). Rhythm and music structure in relation to dance. Practical application of percussion instrument for dance accompaniment; selection of music for dance. Prerequisite: two of the following: 1700, 1300, 1570, or 1740.
2510. ADVANCED JAZZ DANCE. (2-0-3). Techniques and performance. Prerequisite: 1510.
2550. ADVANCED TAP DANCE. (2-0-3). Skills and performance. Prerequisite: 1550.
2590. COMPOSITION I. (2-1-2). Introductory course in dance composition. Practice in choreography in preparation for performance of works created by student. Prerequisite: Consent of instructor.
3060. MOVEMENT FOR ACTORS. (2-0-3). Body awareness and creative physical character development for theatre and dance majors. Prerequisite: 2320 and consent of instructor.
3070. THEATRICAL DANCE. (2-0-4). Excerpts of dance choreography from Broadway musicals, television and/or motion pictures. Prerequisite: 1100, 1110, 1150 or consent of instructor.
3080. DANCE STAGING. (3-1-3). Production for dance concerts, including props, sets, costumes, sound, lights, make-up and special effects. Prerequisite: 2590.
3590. DANCE COMPOSITION II. (2-1-2). Advanced course for dance composition. Practice in choreography in preparation for performance of works created by students. Prerequisite: 2590.
3740. ADVANCED MODERN DANCE. (2-0-3). Techniques for performance in modern dance. May be repeated for credit, maximum 6 hours. Prerequisite: 1540 or consent of instructor.
3800. DANCE PEDAGOGY. (3-2-1). Strategies and clinical experiences in teaching dance to public school, private studio and selected special populations; evaluation of materials and instructional strategies for these groups. Prerequisite: instructor's permission.
4100. SENIOR CONCERT. (3-1-4). Major performance project to be staged for public presentation. Creative work, designed and choreographed by the student. Prerequisite: Senior standing or consent of instructor.
4500. WORKSHOP IN DANCE. (1 to 6-6-0). Short-term intensive work with artist-teacher. Content appropriate to instructor and student. Prerequisite: Consent of instructor and department head.
 Subtitles:
 01-ballet
 02-jazz
 03-ballroom
 04-folk and ethnic
 05-modern
 06-tap dance
4640. DANCE PRODUCTION. (3-1-3). A performing company composed of senior students selected by audition. Rehearsed by resident and guest faculty. Prerequisite: Senior advanced dancers selected by audition and consent of the instructor.

- 4800. PRACTICUM IN DANCE.** (2-0-4). Apprentice teaching in children's and beginning dance classes. To be assigned as needed. Prerequisite: Junior standing in curriculum and consent of instructor.

Subtitles:
01-ballet
02-jazz
03-ballroom
04-folk and ethnic
05-modern
06-tap dance

EARLY CHILDHOOD EDUCATION (ECED)

For Undergraduates Only

- 1060. ORIENTATION TO EARLY CHILDHOOD EDUCATION.** (1-1-0). Early childhood education as an integrated part of the profession of Family and Consumer Sciences. Identification of professional organizations, ethical and legal guidelines, and professional standards. Demonstration of collaborative learning to inform practice and integrate knowledge of early education, and engage in informed advocacy of young children and the profession. Prerequisite: For majors only.
- 3060. CHILD DEVELOPMENT AND APPROPRIATE PRACTICES FOR YOUNG CHILDREN.** (3-2-1). Physical, mental, social and emotional development and guidance of a child. Directed observation and participation in the child development center to include developmentally appropriate assessment and healthy environment design that respects and challenges all children. Two hours per week of field experience required. Prerequisite: Sophomore standing.
- 3070. APPROPRIATE PRACTICES FOR INFANTS AND TODDLERS.** (3-2-1). Examining and assessing developmentally appropriate care giving and educational practices for infants and toddlers. Investigating differences in family and community culture, linguistic diversity, and children's needs. Exploring multiple influences on development and learning. Directed observation and practical experiences with infants and toddlers. Two hours of field experience per week required. Prerequisite: Sophomore standing; for majors only or consent of the instructor.
- 3080. PROGRAM DESIGN AND CLASSROOM MANAGEMENT FOR YOUNG CHILDREN.** (3-2-5). The staff's role and responsibility in integrating understanding of (a) relationships of home and school environments, (b) developmentally appropriate approaches to teaching and learning, (c) effective classroom management strategies, and (d) knowledge of academic disciplines. Evaluate positive approaches to teaching young children and examine curricula for evidence of meaningful learning outcomes for all courses. Five hours of field experience per week required. Prerequisite: Admission to teacher candidacy. Corequisites: 3090, 3110.
- 3090. ENVIRONMENTS FOR YOUNG CHILDREN.** (3-2-5). Planning and evaluating environments in early childhood settings. Selecting and designing furnishings, equipment, and materials to create an environment that is healthy, respectful, supportive, and challenging. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3110.
- 3110. EARLY CHILDHOOD METHODS.** (3-2-5). Implementing developmentally appropriate practices for teaching at the Early Childhood level. Techniques and procedures for connecting home and school environments, understanding content knowledge and designing and implementing authentic learning experiences, and using assessment to make curricula design decisions in the Early Childhood setting. Five hours of field experience per week required. Prerequisite: admission to teacher candidacy. Corequisites: 3080, 3090.

For Graduates Only

- 5010. ADVANCED CHILD DEVELOPMENT.** (3-3-0). Physical, cognitive and affective development of young children. Prerequisite: 2000 or Educational Psychology 3010.
- 5020. DYNAMICS OF ADULT-CHILD RELATIONSHIPS.** (3-3-0). Application of principles of child and family development to relationships among young children, their parents and teachers.
- 5180. ADMINISTRATION AND ORGANIZATION OF EARLY CHILDHOOD PROGRAMS.** (3-3-0). Philosophy, objectives, and methods of organizing and operating kindergartens, nursery schools, child care centers and play groups for children below six years of age. (Same as Educational Leadership.)
- 5190. ADVANCED EARLY CHILDHOOD CURRICULUM.** (3-3-0). Curriculum and methods of teaching pre-primary programs. Prerequisite: Six hours in child development and/or child psychology. (Same as Education 5190.)
- 5430. INFANTS AND TODDLERS.** (3-3-0). Development, care and education of infants and toddlers in families and group settings.
- 5450. CHILDREN'S CENTERS.** (3-3-0). Problem-solving activities in housing and equipping an early childhood program; designing learning centers.
- 5460. TRENDS AND ISSUES IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Trends, research, and issues; literature; application and implications for early childhood programs.
- 5470. PRACTICUM IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Individualized program under supervision and guidance; practical experience in organized programs for the child below six. Work with adults, college students, and children. (Same as Education 5470.)
- 5510. APPROPRIATE PRACTICES FOR EARLY CHILDHOOD/PRIMARY DEVELOPMENT AND DIVERSITY (BIRTH TO EIGHT).** (3-3-0). Focuses on developmentally appropriate instructional strategies, performance-based assessments, and documentation procedures that facilitate social, emotional, physical, and cognitive growth and meet the needs of all children from birth to eight. Field experience required.
- 5520. CURRICULUM AND SPACES FOR INFANTS AND TODDLERS.** (3-3-0). Emphasizes developmentally appropriate instructional strategies, manipulatives and materials, and classroom design principles that facilitate development in all areas for diverse infants' and toddlers' needs. Field experience required.
- 5530. POSITIVE RELATIONSHIPS WITH CHILDREN, FAMILIES, AND COMMUNITIES.** (3-3-0). Emphasizes positive communication strategies for working with children, families, and the community to promote young children's cognitive, social, emotional, and academic growth. Also emphasized are appropriate behavior guidance strategies and family literacy activities. Field experience required.
- 5540. TRENDS AND ISSUES IN CONTEMPORARY EARLY CHILDHOOD AND PRIMARY PROGRAMS.** (3-3-0). Examines the role of (a) the child, (b) the parent, (c) the teacher, (d) assessment and documentation, (e) program philosophy, (f) program evaluation, and (g) time, space, and materials in contemporary Early Childhood programs. Course topics include, but are not limited to: Project Approach, Reggio Emilia Approach, Montessori, Even Start, Head Start, Preschool, Kindergarten, First Grade, Second Grade, and Third Grade.
- 5550. EARLY CHILDHOOD/PRIMARY SCHOOL ADMINISTRATION AND ETHICS.** (3-3-0). Explores design of philosophy, goals, environment and materials, schedules, instructional strategies, curriculum and assessment, appropriate guidance practices, parents involvement activities, and ethical practices in programs for children ages zero to eight. Field experience required.

EDUCATION (EDUC)

For Undergraduates Only

- 5560. EARLY CHILDHOOD/PRIMARY LEARNING SPACE DESIGN.** (3-3-0). Focuses on utilizing design principles from Reggio Emilia to create rich, stimulating, child-centered environments that facilitate growth in all children and promote appropriate behavior. Also emphasized are how to select appropriate manipulatives and materials, use centers-based instruction to teach State standards, and document and assess students' learning in centers. Field experience required.
- 5570. EARLY CHILDHOOD/PRIMARY CURRICULUM AND STANDARDS.** (3-3-0). Examines strategies for designing and implementing developmentally appropriate Early Childhood curriculum that addresses Louisiana Standards for public school children. Also emphasized are emergent curriculum, the Project Approach, and the Reggio Emilia approach. Prerequisite for M.Ed. candidates: All courses required for M.Ed. in Early Childhood or consent of the instructor; Prerequisites for M.A.T. candidates: ECED 5510 and RDG 5020; or consent of the instructor. Co-requisite: Candidates must enroll simultaneously in ECED 5580, or consent of the instructor.
- 5580. EARLY CHILDHOOD/PRIMARY PRACTICUM: PERFORMANCE BASED ASSESSMENT AND DOCUMENTATION.** (3-3-6). Involves advanced candidates in working with young children by designing and implementing developmentally appropriate lesson plans that meet L.A. Standards for public school children, implementing performance based assessments, and collecting documentation to enhance student achievement. Candidates learn to implement the Project Approach and Reggio Emilia Approach. Prerequisite for M.Ed. candidates: All courses required for M.Ed. in Early Childhood or consent of the instructor; Prerequisites for M.A.T. candidates: ECED 5510 and RDG 5020; or consent of the instructor. Co-requisite: Candidates must enroll simultaneously in ECED 5570, or consent of the instructor. Field experience required.
- 5930. SPECIAL PROBLEMS IN EARLY CHILDHOOD EDUCATION.** (3-3-0). Independent study; analysis and compilation of research in an area of early childhood education as approved by the instructor.
- 5950. RESEARCH PROBLEMS.** (1 to 6-0-0). Non-degree credit. May be repeated. (Same as Family and Consumer Sciences 5950.)
- 5980. THESIS.** (1 to 6-0-0). Same as Family and Consumer Sciences 5980.

ECONOMICS (ECON)

For Undergraduates Only

- 2000. PRINCIPLES OF MACROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of the aggregate economy. It addresses the problem of how fiscal and monetary authorities promote price level stability and economy growth. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, this course is recommended. Prerequisite: Sophomore standing.
- 2010. PRINCIPLES OF MICROECONOMICS.** (3-3-0). A survey of economic principles governing the behavior of individual households and business firms and the markets for specific goods. It addresses the problems of how market prices influence the allocation of society's scarce resources and the distribution of income among its members. For business majors who take both Economics 2000 and 2010, it is recommended that Economics 2000 be taken first. For non-business majors who take only one course in economics, Economics 2000 is recommended. Prerequisite: Sophomore standing. (Credit not allowed for both ECON 2010 and SECO 2810.)

- 2020. FOUNDATIONS OF MULTICULTURAL EDUCATION.** (3-3-0). Historical and philosophical foundations of education; a study of multicultural education with special emphasis on such dimensions of diversity as socioeconomic status, language, ethnicity and race, gender, religion and exceptionality; field experience component.
- 3100. MATHEMATICAL CONCEPTS AND METHODOLOGY IN THE PK-6 CLASSROOM.** (3-3-0). Identifies and creates mathematical tasks for teaching and pupil assessment in grades PK-6. Pre-service teachers will focus on knowledge acquisition of mathematical concepts, number sense and problem solving to develop mathematical power for students in the PK-6 classroom. Particular attention will be given to address student exceptionalities and differing abilities. Prerequisites: Admission to candidacy for a degree in teacher education; MATH 2030.
- 3140. PLANNING AND ASSESSMENT.** (3-3-0). Theory and techniques of planning for instruction based on the assessment of diverse populations, classroom organization and management, use of technology, creating classroom assessment devices, and the interpretation of standardized test results. Includes field experience component. Prerequisite: Admission to candidacy in teacher education; credit for or concurrent enrollment in EPSY course.
- 3210. CLASSROOM MANAGEMENT STRATEGIES FOR THE ELEMENTARY CLASSROOM.** (3-3-0). Focus on essential features of classroom organization and management for elementary students. Information and application exercises will be provided on topics such as: arranging physical space, choosing rules and procedures, planning and conducting instruction, maintaining appropriate behavior, and managing problem behavior. Practical knowledge and application of classroom management strategies for candidates seeking certification in 1-5. Case studies, course readings, examples, field experiences, and applied assignments will be tailored to the grade level and content area for which certification is being sought. Corequisite: enrollment in student teaching.
- 3220. CLASSROOM MANAGEMENT STRATEGIES FOR SECONDARY CLASSROOMS.** (3-3-0). Focus on essential features of classroom organization and management for secondary students. Information and application exercises will be provided on topics such as: arranging physical space, choosing rules and procedures, planning and conducting instruction, maintaining appropriate behavior, and managing problem behavior. Practical knowledge and application of classroom management strategies for candidates seeking certification in grades 6-12. Case studies, course readings, examples, field experiences, and applied assignments will be tailored to the grade level and content area for which certification is being sought. Corequisite: enrollment in student teaching.
- 3390. COOPERATIVE TEACHING EXPERIENCE.** (1-1-0). Teaching conversational English and Louisiana culture in a school setting outside the USA; team teaching and mentoring by the lead classroom teacher. Prerequisite: Admission to the NSU Study Abroad Program. Grading Pass/Fail.
- 4010. SECONDARY SCHOOL TEACHING METHODS.** (3-3-2). Application of special methods to the teaching process; emphasis on effective teaching strategies, classroom management and discipline, instructional clarity, pluralistic and exceptional populations. Includes a field-based practicum with supervising teacher in the secondary content area where candidate is pursuing certification. Prerequisite: Admission to candidacy for degree in teacher education; successful completion of EDUC 3140.

- 4080. LITERATURE AND LANGUAGE IN THE ELEMENTARY SCHOOL.** (3-2-3). Approaches and strategies for using literature as the basis for the language arts program and as a framework throughout the curriculum. Organization of materials, teaching methodology/strategies, procedures, trends and student assessment issues in language arts for the elementary school teacher. Prerequisite: Admission to candidacy for a degree in teacher education; EPSY 3000, EDUC 3140 and RDG 3060 with C or better; co-registration in EDUC 4230, 4330, 4430.
- 4230. CONTENT AND TECHNIQUES OF TEACHING MATHEMATICS IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in mathematics for the elementary school teacher. Prerequisites: Admission to candidacy for a degree in teacher education; EPSY 3000, EDUC 3140 and RDG 3060 with C or better; co-registration in EDUC 4080, 4230, 4430.
- 4330. CONTENT AND TECHNIQUES OF TEACHING SCIENCE IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in science for the elementary school teacher. Prerequisites: Admission to candidacy for a degree in teacher education; EPSY 3000, EDUC 3140 and RDG 3060 with C or better; co-registration in EDUC 4080, 4230, 4430.
- 4430. CONTENT AND TECHNIQUES OF TEACHING SOCIAL STUDIES IN THE ELEMENTARY SCHOOL.** (3-2-3). Organization of materials; teaching methodology/strategies, procedures, teaching aides, trends and student assessment issues in social studies for the elementary school teacher. Prerequisites: Admission to candidacy for a degree in teacher education; EPSY 3000, EDUC 3140 and RDG 3060 with C or better; co-registration in EDUC 4080, 4230, 4430.
- 4620. INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Teaching in area(s) of specialization under the cooperative supervision of the school and university supervisor. Systematic supervision and evaluations by the school and university supervisors, and participation in seminars or conferences. Prerequisites: Baccalaureate degree, completion of methods course, an approved application for the internship, and passing scores on PRAXIS Pre-Professional Skills Tests, Principles of Learning & Teaching and Specialty Area tests. Subtitles:
01-secondary teaching
05-special education
06-elementary teaching
- 4860. SPECIAL PROBLEMS – STEM.** (3-2-1). Project Lead The Way (PLTW) is a national Science, Technology, Engineering and Mathematics (STEM) program for increasing the STEM skill sets of middle and high school students. Teachers who successfully complete one or more subtitle pairs will receive a completion certificate for each subtitle pair. A completion certificate will offer secondary education teachers (grades 6-12) an opportunity to teach PLTW courses at any school possessing a PLTW STEM Agreement. Course may not be used to fulfill requirements for M.A., M.A.T. or M.Ed. degree within Gallaspy Family College of Education and Human Development. Course may be repeated for credit. Subtitles:
01-Gateway to Technology Basic I
02-Gateway to Technology Basic II
03-Introduction to Engineering Design I
04-Introduction to Engineering Design II
05-Gateway to Technology Advanced I
06-Gateway to Technology Advanced II
07-Principles of Engineering I
08-Principles of Engineering II
09-Digital Electronics I
10-Digital Electronics II

- 4950. STUDENT TEACHING IN EARLY CHILDHOOD EDUCATION.** (9-0-25). Observing, planning, and teaching in the early childhood school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: FACS 4160.
- 4960. STUDENT TEACHING IN THE ELEMENTARY SCHOOL.** (9-0-25). Observing, planning, and teaching in the elementary school grades a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods course; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: Education 3210. Students schedule according to certification areas for subtitles below: Subtitles: 02-elementary special education mild/moderate; 03-elementary music instrumental; 04-elementary music, vocal.
- 4970. STUDENT TEACHING IN THE MIDDLE SCHOOL.** (9-0-25). Observing, planning, and teaching in the middle school a minimum of 5 hours daily. Prerequisites: Admission to teacher candidacy for degree in teacher education; appropriate methods courses; application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: Education 3020. Student schedule according to certification areas from subtitles below: Subtitles: 02-elementary special education mild/moderate; 03-elementary music, instrumental; 04-elementary music, vocal.
- 4980. STUDENT TEACHING IN THE SECONDARY SCHOOL.** (9-0-25). Planning, teaching, and observing in the secondary school a minimum of six hours daily; participating in extra-class duties and attending conferences arranged by cooperating teachers and/or college supervisors. Prerequisite: Admission to candidacy in teacher education; appropriate methods courses, application for assignment in student teaching and passing scores on PRAXIS Principles of Learning and Teaching and Specialty Area tests. Corequisite: EDUC 3220. Students schedules according to certification areas for subtitles below: Subtitles: 02-biology; 03-business and office education; 04-chemistry; 07-English; 10-family and consumer sciences; 13-mathematics; 14-secondary music, instrumental; 15-secondary music, vocal; 16-secondary physical education; 18-physics; 19-social studies; 20-speech; 22-special education mild/moderate.

For Graduates Only

- 5010. EDUCATIONAL RESEARCH AND EVALUATION.** (3-3-0). Qualitative and quantitative approaches to organization, design, implementation and interpretation of empirical research in behavioral sciences; preparation of research proposals; evaluation of proposals and reports. Prerequisite: Completion of 9 hours of graduate course work.
- 5020. RESEARCH ON CURRICULUM AND INSTRUCTION.** (3-3-0). Review, interpretation and synthesis of research on school curriculum and instructional models, methods and strategies; implementation of research outcomes in educational settings; preparation of research reports. Prerequisite: Admission to alternative post-baccalaureate certification program.
- 5030. EDUCATIONAL PHILOSOPHY AND LEADERSHIP.** (3-3-0). Philosophical, sociological, and historical foundations of education; educational organization and management, leadership strategies; and trends and issues in the development of educational programs. Prerequisite: Admission to alternative post-baccalaureate certification program.
- 5160. PRINCIPLES OF CURRICULUM DEVELOPMENT.** (3-3-0). Principles and practices of curriculum development with opportunities to participate in curriculum construction.
- 5370. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Corequisite: EDUC 5410, 5420, 5430 or 5440.

- 5380. SEMINAR IN TEACHING.** (3-3-0). Group discussions, individual conferences, reading and research on problems identified by students or mentor teachers during internship. Prerequisite: EDUC 5370.
- 5390. COOPERATIVE TEACHING EXPERIENCE.** (1-1-0). Teaching conversational English and Louisiana culture to students in a school setting outside the USA; team teaching and mentoring by the lead classroom teacher. Prerequisite: Admission to the NSU Study Abroad Program. Grading Pass/Fail.
- 5410. ELEMENTARY INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Elementary in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490; or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5420. MIDDLE SCHOOL INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Middle School grades in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490, or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5430. SECONDARY INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in a secondary certification content area in state approved schools under supervision of University and school-based personnel. Prerequisites: EDUC 5600, 5610, and EPSY 5490, or EDUC 5630, 5640, and EPSY 5480; passing scores on all required PRAXIS tests.
- 5440. SPECIAL EDUCATION MILD/MODERATE INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Special Education Mild/Moderate Grades 1-12 in state approved schools under supervision of University and school-based personnel. Prerequisites: SPED 5170, 5180, and 5190; passing scores on all required PRAXIS tests.
- 5450. EARLY CHILDHOOD INTERNSHIP IN TEACHING.** (3 to 9-0-6 to 18). Full-time teaching in Early Childhood Grades in state approved schools under supervision of University and school-based personnel. Prerequisites: ECED 5470, 5010, 5190; SPED 5510; EPSY 5490; RDG 4610; passing scores on all required PRAXIS tests.
- 5600. PRINCIPLES OF INSTRUCTIONAL DESIGN.** (3-2-1). Theory of instructional design as derived from human learning principles. Techniques of instructional design, classroom management and organization, and assessment for the diverse learner. Includes field experience component. Prerequisite: Admission to MAT program; EPSY 5490 and either RDG 5010 or RDG 5150.
- 5610. INSTRUCTIONAL METHODOLOGY.** (3-2-1). Research on current issues and trends related to classroom management/organization, instructional design, strategies, instructional technology, and assessment for diverse learners. Includes field experiences component. Prerequisites: EDUC 5600.
- 5630. INSTRUCTIONAL PLANNING AND DESIGN.** (3-2-1). Principles of instructional planning and design, classroom management and organization, and assessment for the diverse learner. Includes field experience component. Admission to PREP. Co-requisites: EDUC 5640; EPSY 5480.
- 5640. METHODS OF INSTRUCTION.** (3-3-2). Research on current issues and trends related to classroom management/organization, instructional design, strategies, instructional technology, and assessment for diverse learners. Includes field experience component. Co-requisite: EDUC 5630.
- 5840. RESEARCH BASED DECISION-MAKING IN EDUCATION.** (3-3-0). Research based decision-making in Education focuses on the criteria, standards and strategies that the community of practitioners needs to employ to make sound empirically supported professional decisions. Prerequisites: Adult Education Major and completion of 9 graduate hours in major.
- 5850. ACTION RESEARCH FOR SCHOOL IMPROVEMENT.** (3-3-0). Provides an opportunity for practitioners to engage in inquiry by investigating, developing, and implementing a school improvement plan appropriate for their unique settings. Prerequisite: EDUC 5010.
- 5860. SPECIAL PROBLEMS – STEM.** (3-2-1). Project Lead The Way (PLTW) is a national Science, Technology, Engineering and Mathematics (STEM) program for increasing the STEM skill sets of middle and high school students. Teachers who successfully complete one or more subtitle pairs will receive a completion certificate for each subtitle pair. A completion certificate will offer secondary education teachers (grades 6 -12) an opportunity to teach PLTW courses at any school possessing a PLTW STEM Agreement. Course may not be used to fulfill requirements for M.A., M.A.T. or M.Ed. degree within Gallaspys Family College of Education and Human Development. Course may be repeated for credit.
- Subtitles:
01-Gateway to Technology Basic I
02-Gateway to Technology Basic II
03-Introduction to Engineering Design I
04-Introduction to Engineering Design II
05-Gateway to Technology Advanced I
06-Gateway to Technology Advanced II
07-Principles of Engineering I
08-Principles of Engineering II
09-Digital Electronics I
10-Digital Electronics II
- 5890. FIELD STUDY PROPOSAL.** (3-3-0). First half of field study preparation. Completion of this course will result in the successful defense and approval of the field study proposal (Chapters 1–3) to members of the candidates' committee, and, if necessary, the submission and approval of required documentation to The Committee on the Protection of Human Subjects in Research. A candidate will be continuously enrolled in EDUC 5890 until the proposal is successfully defended and approved. Prerequisite: Successful completion of two-thirds of degree program and approval of major professor.
- 5900. DATA ANALYSIS FOR SCHOOL IMPROVEMENT.** (3-3-0). Principles and techniques of data analysis; process of disaggregating and interpreting data that is critical to school improvement; correlation of data analysis to peer-reviewed research and current trends and issues in education; use of disaggregated data to identify strengths and weaknesses and develop action plans.
- 5950. RESEARCH PROBLEMS.** (3-0-0). Maximum of six hours toward degree. Design, organization, and implementation of a research or development project under the direction of the student's major professor. Written report and evaluation required. Prerequisites: Successful completion of two-thirds of degree program, 5010 or equivalent, and approval of major professor.
- 5970. THESIS PROPOSAL.** (3-3-0). First half of thesis preparation. Completion of this course will result in the successful defense and approval of the thesis proposal (Chapters 1 -3) to members of the candidate's committee and the submission and approval of required documentation to The Committee on the Protection of Human Subjects in Research. A candidate will be continuously enrolled in EDUC 5970 until the proposal is successfully defended and approved. Prerequisite: Approval of major professor.
- 5980. THESIS DEFENSE.** (3-0-0). Second half of thesis preparation. Completion of this course will result in successful defense and approval of the thesis (Chapters 1–5) to members of the candidate's committee. A candidate will be continuously enrolled in EDUC 5980 until the thesis is successfully defended and approved. A maximum of six hours will be applied toward a degree. Prerequisite: Successful completion of EDUC 5970 and approval of major professor.
- 5990. FIELD STUDY DEFENSE.** (3-0-0). Second half of field study preparation. Completion of this course will result in the successful defense and approval of the field study (Chapter 1–5) to members of the candidate's committee. A candidate will be continuously enrolled in EDUC 5990 until the field study is successfully defended and approved. Prerequisite: Successful completion of EDUC 5890 and approval of major professor.

EDUCATION - ADULT AND CONTINUING (EDAE)

For Undergraduates Only

4700. **FUNDAMENTALS OF TEACHING ADULT EDUCATION.** (3-3-0). Conditions of learning through the lifespan and within a variety of cultural settings. Emphasis is given to the literature of adult learning as a distinct discipline and the diversity of forms of learning an adult's life.
4720. **MATERIALS AND METHODS IN TEACHING ADULT EDUCATION.** (3-3-0). Selection and utilization of materials and techniques appropriate to the educational needs of adults in their various life roles as economic contributors, family members, and individuals in society. Prerequisite: Senior standing or above.
4730. **READING INSTRUCTION IN ADULT EDUCATION.** (3-3-0). Identification of reading skills; evaluation of reading skills; evaluation of reading achievement; diagnosis of specific problem areas; developing instructional materials and methodology.
4740. **PRACTICUM IN ADULT AND COMMUNITY EDUCATION.** (3-0-15). Appropriate placement at adult and community education sites for laboratory and field experience. Directed research required at graduate level.

For Graduates Only

5700. **FOUNDATIONS OF ADULT/CONTINUING EDUCATION.** (3-3-0). History, profession, primary philosophies, major organizations of adult education. This core course introduces the degree candidate to the traditions, institutions, and professional obligations of the adult educator.
5720. **DEVELOPMENT AND LEARNING IN ADULTHOOD.** (3-3-0). Principles of adult development and learning; physical, psychosocial, cognitive development from adolescence through old age; memory, cognition, and learning styles; learning environments for adults; learning as a self-directed activity; topics of interest to professionals working in formal and informal learning environments for adults.
5730. **ORGANIZATION AND ADMINISTRATION OF ADULT EDUCATION CLASSES.** (3-3-0). Design and delivery of instruction for adults in many formats and settings. Facilitating learning through technology. Legal, ethical, and financial considerations of instructional design. Prerequisites: 5700 and 5720.
5740. **ADULT LEARNING IN DISTANCE EDUCATION SETTINGS.** (3-3-0). Theory and nature of adult learning in distance education settings. Current technology and instructional design, learner evaluation, and systematic training and development. Transfer of learning for persons with disabilities and for institutionalized populations.
5750. **PROGRAM DEVELOPMENT PROCESS IN ADULT AND CONTINUING EDUCATION.** (3-3-0). Designing, maintaining, and improving organizations and complex programs in continuing and adult education. Identification of communities of interest and stakeholders, needs assessment, long range planning, and evaluation are included. Prerequisites: 5700 and 5720.
5760. **THEORY AND IMPLEMENTATION OF STAFF DEVELOPMENT PROGRAMS.** (3-3-0). Foundation and practical application of comprehensive staff development program for schools, businesses, and other organizations. Emphasis on organizational process and individual growth.
5800. **TEACHING ADULTS.** (3-3-0). Planning and conducting adult education in a variety of settings.
5820. **MOTIVATION AND MATERIALS IN ADULT DEVELOPMENTAL EDUCATION.** (3-3-0). Selection and utilization of materials and motivation techniques appropriate to the educational needs of adults in developmental settings. Designing learning opportunities in relation to adults' life roles as economic contributors, family members, and individuals in society.

5830. **LITERACY AND ADULT EDUCATION.** (3-3-0). Role of reading in adult developmental education and in adult life.
5840. **PRACTICUM IN ADULT DEVELOPMENTAL EDUCATION.** (3-3-0). Appropriate placement at adult and community education sites for laboratory and field experience.

EDUCATION - CURRICULUM AND INSTRUCTION (EDCI)

For Graduates Only

5020. **CURRICULUM DEVELOPMENT FOR SCHOOL IMPROVEMENT.** (3-3-2). Examines various approaches to curriculum development to meet the needs of individual school districts so that standards can be met through a curriculum designed to meet the needs of a diverse student population. Prerequisite: Admission to Graduate School.
5030. **INSTRUCTIONAL IMPROVEMENT AND ASSESSMENT** (3-3-2). Examines the use of data from multiple sources to establish challenging standards and the implementation of effective and innovative teaching practices to engage students in meaningful and challenging learning experiences. Prerequisite: Admission to Graduate School.
5110. **REFLECTIVE AND COHERENT CLASSROOM PRACTICE.** (3-3-2). Describes the relationship among curriculum, instruction, assessment, external mandates, community content and the practice of teacher reflection that leads to improved educational experiences for 1-12 students.
5120. **ADVANCED INSTRUCTIONAL THEORIES AND STRATEGIES.** (3-3-2). Examines current theories of learning and the strategies they support for increased student achievement in the 1-12 classroom.
5130. **TEACHING DIVERSE LEARNERS.** (3-3-2). Examines characteristics of learners from different cultural settings and the adaptations, methods, materials, and resources that support instruction for these learners.
5140. **CLINICAL INTERNSHIP IN CURRICULUM AND INSTRUCTION.** (3-1-6). A supervised experience in classroom settings that implement the process procedures for instructional coaching leading to improved student achievement. Prerequisite: All other courses required for the M.Ed. in Curriculum and Instruction.
5150. **NATIONAL BOARD PREPARATION: PORTFOLIO AND ASSESSMENT WRITING.** (3-3-0). Application in descriptive narrative, analytical, and reflective writing required of teachers from the National Board for Professional Teaching Standards portfolio and exam; exploration of the core propositions and standards of NBPTS with practical applications. Prerequisite: Application to the National Board for Professional Teaching Standards.
5160. **NATIONAL BOARD CERTIFICATION PREPARATION: THE TEACHER LEADER.** (3-3-0). Applications in descriptive narrative, analytical, and reflective writings required of teachers for the National Board for Professional Teaching Standards portfolio and exam; exploration of the roles of a teacher leader in order to develop expertise in leading whole faculty study groups, inquiry research, and grant writing. Prerequisites: Application to the National Board for Professional Teaching Standards: <http://www.nbpts.org> and EDCI 5150 or instructor's approval.
5200. **PROFESSIONAL STANDARDS FOR INSTRUCTION AND ASSESSMENT.** (3-3-0). This course is designed to lead teachers in the evaluation of their practice based on the national standards for their content area and the National Board for Professional Teaching Standards (NBPTS) core propositions. Assignments will include the development of lessons and assessments that reflect knowledge of current research and of professional standards most appropriate and relevant to specific subject area and grade level. Prerequisites: Three years teaching experience, EDCI 5110, 5120, application to the National Board for Professional Teaching Standards: <http://www.nbpts.org>, instructor's consent.

- 5240. PRINCIPLES OF SECOND LANGUAGE LEARNING, INSTRUCTION AND METHODOLOGY.** (3-3-0). Examines a number of second language learning/teaching paradigms and focuses on the changing forms and functions of methodology and technique as the emphasis of language pedagogy has shifted from teacher directed, drill and pattern practice to learner focused, task-based instruction.

EDUCATION – SPECIAL EDUCATION (EDSP)

For Graduates Only

- 5000. EDUCATIONAL PSYCHOLOGY AND SPECIAL EDUCATION APPLIED TO TEACHING.** (3-2-2). Application of theoretical practices from educational psychology and special education to teaching; developmental differences of children and adolescents related to instructional strategies of diverse learners. Includes 30 hours of field experiences. Prerequisites: Admission to Graduate School and SPED Integrated to Merged Alternate Certification Program.
- 5010. INSTRUCTIONAL PLANNING AND DESIGN FOR ALL STUDENTS.** (3-3-1). Principles of instructional planning and design, classroom management and organization, and assessment of the diverse learner. Instruction in developing and writing appropriate IEP/ITP objectives that address content standards and benchmarks is also specifically addressed. Includes field experience component. Prerequisite: Admission to Graduate School and Special Education Integrated-Merged Alternate Certification Program.
- 5020. RESEARCH-BASED METHODS AND READING INSTRUCTION.** (3-3-2). Multiple research-supported methods of teaching a diverse population of students to acquire, store, retrieve, express, and evaluate the outcome of their performance on a learning task while being actively engaged in learning. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5030. CLASSROOM AND BEHAVIOR MANAGEMENT OF ALL STUDENTS.** (3-3-2). Classroom and behavior management strategies that emphasize proactive, preventative approaches to establishing and maintaining appropriate classroom behavior. Includes field experience component. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5040. INTEGRATED-MERGED INSTRUCTIONAL PRACTICES: PRACTITIONER GENERAL-SPECIAL EDUCATION TEACHER.** (3-3-2). The fundamentals of collaboration, teaming, communication, problem solving, co-planning and co-teaching practices will be learned, practiced, and applied in the general education classroom to meet the individual and unique needs of all students. Requires 30 hours of clinical and field-based experiences. Prerequisite: Admission to Special Education Integrated-Merged Alternate Certification Program.
- 5111. GENERAL-SPECIAL EDUCATION INTERNSHIP IN TEACHING I.** (3-0-6). Full-time teaching position in either a Grades 1-5, Grades 4-8, or Grades 6-12 general education or integrated-merged (mild/moderate) setting in certification content area/grade level in state approved schools under supervision of University and school-based personnel. Prerequisites: EDSP 5000, 5010, 5020, 5030. Co-requisite: Passing scores on all required PRAXIS tests.
- 5121. GENERAL-SPECIAL EDUCATION INTERNSHIP IN TEACHING II.** (3-0-6). Full-time teaching position in either a Grades 1-5, Grades 4-8, or Grades 6-12 general education or integrated-merged (mild/moderate) setting in certification content area/grade level in state approved schools under supervision of University and school-based personnel. Minimum of 90 teaching hours with documentation of at least 20 clock hours per semester of clinical experience in alternate concentration area. Prerequisite: EDSP 5111.

EDUCATIONAL LEADERSHIP (EDL)

For Graduates Only

- 5100. PUBLIC SCHOOL ORGANIZATION AND ADMINISTRATION.** (3-3-0). National, state and local administration, organization of public education; instructional leadership; administration of special services; pupil personnel administration; financial and business administration; school plant administration; administration of school-community relations.
- 5110. SUPERVISION OF INSTRUCTION.** (3-3-0). Science and techniques of supervision; observation of teaching; demonstration teaching; evaluation of supervision.
- 5140. THE SECONDARY SCHOOL PRINCIPALSHIP.** (3-3-0). Duties and responsibilities of the secondary principal in organization, leadership, administration and supervision; professional growth; relationship to school, teachers, and patrons.
- 5150. SUPERVISION OF STUDENT TEACHING.** (3-3-0). Philosophy, science, and technique of supervising student teachers, observing cooperating teachers; demonstration teaching, evaluating student teaching.
- 5200. INTRODUCTION TO STANDARDS-BASED SCHOOL ADMINISTRATION.** (3-3-0). National, state and local school administration, organization of public education; instructional leadership; administration of special services, pupil personnel administration; financial and business administration; school plant administration; administration of school-community relations.
- 5290. SUPERVISION OF CHILD WELFARE AND ATTENDANCE.** (3-3-0). Principles and practices of census, child welfare, and attendance for the supervisor of child welfare and attendance or visiting teacher.
- 5300. SUPERVISION FOR EVALUATION AND SCHOOL IMPROVEMENT.** (3-3-0). Science and techniques of supervision; observation of teaching; demonstration teaching; evaluation of supervision. Prerequisites: EDL 5200, 5400, 5700.
- 5350. ADMINISTRATION OF THE ELEMENTARY SCHOOL.** (3-3-0). Duties and responsibilities of the elementary school principals in organization, leadership, administration and supervision; principal's professional growth and their relationships to school, teachers, and patrons.
- 5400. THE PRINCIPALSHIP: LEADER OF LEADERS.** (3-3-0). Duties and responsibilities of the elementary and secondary principal in organization, leadership, administration and supervision; principal's professional growth and their relationship to school, teachers, and patrons. Prerequisites: EDL 5200, 5700, EDCI 5020, 5030.
- 5500. FINANCIAL RESOURCES FOR PUBLIC SCHOOLS.** (3-3-0). Fiscal program of the public school; local, state, and federal taxes; budgeting; bond issues, formulas for distribution of school funds. Prerequisites: EDL 5200, 5400.
- 5600. HUMAN RESOURCES FOR PROFESSIONAL DEVELOPMENT.** (3-3-0). Principles and practices of administration in selecting and retaining school personnel. Placement, job analysis and evaluation, salaries and salary schedules, fringe benefits, maintenance of morale. Prerequisites: EDL 5200, 5400, 5700.
- 5700. ETHICS AND SCHOOL LAW FOR SCHOOL ADMINISTRATORS.** (3-3-0). Principles and practices of law and ethics applied to the public school, study of generic school law and study of Louisiana school law.
- 5800. SCHOOL COMMUNITY RELATIONS.** (3-3-0). Principles and practices of public relations in education, development of school and community understanding through interaction, utilization of community and human resources for improvement of public education.

- 6100. SCHOOL FACILITIES AND EQUIPMENT.** (3-3-0). The purpose of this course is to assist professional educators in their role of providing quality facilities for educational programs conducive to a successful and effective learning environment. School Facilities and Equipment is a 'tool oriented' course with practical applications that focuses on management and operations of a school facility.
- 6110. PUBLIC SCHOOL FINANCE.** (3-3-0). Fiscal program of the public school; local, state, and federal taxes; budgeting; bond issues, formulas for distribution of school funds. Prerequisite: 5100.
- 6120. SCHOOL PERSONNEL ADMINISTRATION.** (3-3-0). Principles and practices of administration in selecting and retaining school personnel. Placement, job analysis and evaluation, salaries and salary schedules, fringe benefits, maintenance of morale. Prerequisite: 5100.
- 6130. SCHOOL LAW.** (3-3-0). Principles and practices of law applied to the public school, study of generic school law, and study of Louisiana school law. Prerequisite: 5100.
- 6140. SCHOOL COMMUNITY RELATIONS.** (3-3-0). Principles and practices of public relations in education, development of school and community understanding through interaction, utilization of community and human resources for improvement of public education. Prerequisite: 5100.
- 6150. SEMINAR IN EDUCATION ADMINISTRATION.** (3-3-0). This course is designed to introduce current or prospective district school administrators to a broad range of topics that are currently at the forefront of discussion and decision-making in educational organizations. Special emphasis will be given to current problems and issues facing school districts and to topics that will serve to provide information and direction in order for candidates to analyze, synthesize, and critically judge such situations. Prerequisite: Permission of instructor.
- 6180. INTERNSHIP IN SCHOOL ADMINISTRATION/SUPERVISION.** (6-0-18). The individual according to area of specialization is provided practical experience by being assigned to a principal, supervisor, or superintendent, under supervision of a staff member from the University. The internship occurs over a significant portion of the school calendar, typically six months. Prerequisite: 5100, 6130, 5140 or 5350 or 5110 or written consent of department head and selected administrator; Education 5010.
- 6200. INTERNSHIP IN SCHOOL ADMINISTRATION.** (3-1-3). The candidate is provided practical experience by being assigned to a building level administrator with whom to work in the various duties of that position, under the supervision of a faculty member from the University. Candidates are required to be enrolled for one semester only. Prerequisites: Approval of advisor, completion of pre-internship portfolio, and completion of all other required EDL courses.

EDUCATIONAL PSYCHOLOGY (EPSY)

For Undergraduates Only

- 2020. INTRODUCTION TO CHILD AND ADOLESCENT PSYCHOLOGY.** (3-3-0). Theoretical and practical implications of developmental processes in children and adolescents including physical, cognitive, and social-emotional domains; exceptionalities and diverse populations discussed with emphasis on typical adjustment.
- 3000. EDUCATIONAL PSYCHOLOGY AND STUDENT ASSESSMENT.** (3-3-1). Psychological principles of teaching and the educational process; nature of student appraisal and assessment; learning process including conditions which affect the learning process; basic assessment and learning theory; pertinent principles and facts of general psychology; and general introduction to personality adjustment/maladjustment of the child and adolescent. Includes field experience component. Prerequisite: Admission to candidacy for a degree in teacher education, EDUC 2020 or MUED 2020. May not be taken concurrently with EPSY 3010, 3020, or 3030.

For Graduates Only

- 5370. BEHAVIORAL MANAGEMENT AND MODIFICATION.** (3-2-1). Principles and application of behavioral assessment and modification techniques to learning, behavior, and emotional problems in the school setting. Requires 30 hours of clinical and field-based experiences.
- 5400. INTRODUCTORY STATISTICS FOR EDUCATION.** (3-3-0). Use statistical procedures as applied to educational research and measurement. Calculate descriptive statistics, including measures of central tendency and variability. Calculate inferential statistics, including tests of difference, correlation, and analysis of variance.
- 5460. DYNAMICS OF HUMAN GROWTH AND DEVELOPMENT.** (3-3-0). Principles of developmental psychology; integrated nature of growth and lifespan development; dynamics of human development in the social context; topics of interest to professionals working with individuals or groups on a regular basis.
- 5470. SEMINAR IN EDUCATIONAL PSYCHOLOGY.** (1 to 3-1 to 3-0). May be repeated for credit. Reading and research on topics and issues in educational psychology. Prerequisite: 5410, 5460, Education 5010, or consent of the instructor.
- 5480. DYNAMICS OF DEVELOPING LEARNERS.** (3-2-1). Application of theoretical practices and current research related to teaching, classroom organization/management and assessment; dynamics of child/adolescent development/psychology related to instructional strategies and the diverse learner. Includes field experience component. Prerequisite: Enrollment in the PREP program. Corequisite: EDUC 5630 and 5640.
- 5490. EDUCATIONAL PSYCHOLOGY APPLIED TO TEACHING.** (3-2-1). Application of theoretical practices and current research related to teaching, classroom organization/management and assessment; dynamics of child/adolescent development/psychology related to instructional strategies and the diverse learner. Includes field experience component. Prerequisites: Admission to graduate school and admission to an alternate post-baccalaureate certification program.
- 5520. ANALYSIS OF THE INDIVIDUAL.** (3-2-1). Techniques and materials available for study of the individual; interpretation and synthesis of individual inventory data and their application to the counseling process. Prerequisite or corequisite: A grade of B or better in an undergraduate statistics course within the past 6 years or EPSY 5400.

EDUCATIONAL TECHNOLOGY (ETEC)

For Undergraduates Only

- 4810. INTRODUCTION TO COMPUTERS IN EDUCATION.** (3-3-0). A computer literacy course designed to introduce the use of the computer as an instructional tool, management tool, and personal productivity tool for the teachers. Topics include hardware/software selection, CAI, CMI, application software, programming, legal, and ethical issues regarding computer use in education.
- 4820. EVALUATION AND USE OF COMPUTERS IN EDUCATION.** (3-1-4). Use and evaluation of popular computer technology in education and teaching; hardware and software evaluation and use; concepts and terminology; input and output devices; systems design; systems support; CAI; CMI; ACA.
- 4830. INTRODUCTION TO EDUCATIONAL PROGRAMMING.** (3-3-0). An overview of popular educational programming languages such as Logo, BASIC, and Pascal will be used to teach program design, syntax, editing, and documentation. Additional topics include instructional strategies and the development of programming activities for the classroom.
- 4840. EDUCATIONAL TELECOMMUNICATIONS, NETWORKS, AND THE INTERNET.** (3-3-0). The planning, development, and implementation of educational networks, Internet, and telecommunications.

4850. TECHNOLOGY TO SUPPORT STANDARDS-BASED TEACHING AND LEARNING. (3-3-0). Applications of information technology networking to support preservice and inservice instruction in standards-based curricular areas for elementary, middle, and secondary school personnel.

For Graduates Only

5610. INTRODUCTION OF COMPUTERS FOR THE CLASSROOM TEACHER. (3-3-0). A computer literacy course designed to introduce the use of the computer as a learning tool in the classroom. Topics include standards-based instruction, hardware/software selection, computer assisted/managed instruction, application software, programming, legal, and ethical issues regarding computer use in education. Prerequisite: Teacher certification or consent of instructor.

5620. EVALUATION AND APPLICATION OF TECHNOLOGY USE FOR THE CLASSROOM TEACHER. (3-3-0). A standards-based focus on the use and evaluation of popular computer technology in education and teaching; hardware and software evaluation and use; concepts and terminology; input and output devices; systems design; systems support; computer assisted/managed instruction. Prerequisites: 4810 or 5610; teaching experience; or consent of instructor.

5630. MULTI-MEDIA PROGRAMMING FOR THE CLASSROOM TEACHER. (3-3-0). An examination of methods and strategies for using educational programming using web-based and HTML tools to teach program design, editing, and documentation. Additional topics include development of programming activities for the classroom and their application.

5650. INSTRUCTIONAL TOOLS AND STRATEGIES FOR STANDARDS-BASED TECHNOLOGY SUPPORT FOR THE CLASSROOM TEACHER. (3-3-0). The design and development of digital learning activities supporting standards-based teaching and learning for the classroom. Prerequisites: 4810 or 5610; consent of instructor.

5700. TECHNOLOGY LEADERSHIP IN SCHOOLS. (3-3-0). Selecting, organizing, and using major types of instructional technology and equipment in various school curricula and educational programs.

5710. PROFESSIONAL DEVELOPMENT FOR K-12 TECHNOLOGY INTEGRATION. (3-3-0). Practical applications and methods of using technology to enhance the classroom learning environment.

5730. PRODUCTION OF INSTRUCTIONAL AUDIO AND VIDEO. (3-3-0). This course provides a systematic approach to designing and production of instructional video in the classroom and workplace. Emphasis will be placed on theory and practice in production of instructional video for Social Network Site (SNS) and interactive application that support meaningful learning/training.

5740. TELECOMMUNICATIONS NETWORKING AND THE INTERNET FOR THE CLASSROOM TEACHER. (3-3-0). Understanding and using resources and the World Wide Web including planning, development, and implementation of educational networks, Internet, and telecommunications for the classroom.

5750. DESIGN AND PRODUCTION OF INSTRUCTIONAL MATERIALS. (3-3-0). A review of instructional design and exercises in the development of video, computer-assisted instruction, and multimedia projects.

5760. DESIGN AND DEVELOPMENT OF MULTIMEDIA INSTRUCTIONAL UNITS. (3-3-0). Hardware/software operation, hypercontrol of computer generated graphics and sound, interactive video, scanned graphics, and CD-ROM.

5770. ADVANCED TELECOMMUNICATIONS AND DISTANCE LEARNING. (3-3-0). The impact of technology and technology transfer on the traditional and electronic classroom; current trends and uses that extend the classroom beyond traditional boundaries.

5780. TECHNOLOGY PLANNING AND ADMINISTRATION. (3-3-0). The management of an educational media/technology program including problems of selection, training, production, distribution, and financing of center operations.

5790. EDUCATIONAL TECHNOLOGY, RESEARCH, EVALUATION, AND ASSESSMENT. (3-3-0). Evaluating the effectiveness of technology and technology-facilitated learning in classes and programs.

5800. INTERACTIVE MULTIMEDIA DESIGN AND DEVELOPMENT. (3-3-0). This course provides a systematic approach to designing advanced interactive multimedia units using emerging technologies. Emphasis will be placed on the design of interactive multimedia learning/training environments that support meaningful learning. Discussion topics include multimedia design principles, step by step design and development process along with hands-on activities in emerging technologies.

5810. INTRODUCTION TO HUMAN PERFORMANCE TECHNOLOGY. (3-3-0). This course provides an introduction to the field of human performance technology (HPT). Weekly discussion topics include basic concepts of human performance technology, principles and models of human performance system, performance analysis, intervention selection, intervention implementation, and intervention evaluation.

6000. RESTRUCTURING EDUCATION THROUGH TECHNOLOGY. (3-3-0). Overview of trends in technology, schools and training programs of the future, and human-technology interface. Emphasis on leadership and effective implementation of educational change through technology.

6010. INTERNSHIP IN ONLINE TEACHING AND EDUCATIONAL TECHNOLOGY LEADERSHIP. (3-3-0). Intensive directed working relationship with a field supervisor/professional online instructor identified as a leader in incorporating educational technology and online teaching in classroom and online courses. This three credit hour internship course provides supervised practice in applying and demonstrating students' knowledge and skills in incorporating educational technology and online teaching skills in an appropriate classroom/online learning setting. The exact nature of the internship will be customized individually with faculty supervision.

6030. COGNITION AND TECHNOLOGY. (3-3-0). Understanding human cognition change; implications for theory, practice, and research in educational technology.

6040. INSTRUCTIONAL DESIGN AND TECHNOLOGY. (3-3-0). Analysis of educational goals objectives and their facilitation through instructional design and technology. New organizing principles for instruction. Contemporary research in instructional design, cognition, and innovation.

6450. SEMINAR IN CURRENT RESEARCH IN TECHNOLOGY. (3-3-0). Issues, research, and movements affecting contemporary practice in instructional technology.

ELECTRONICS ENGINEERING TECHNOLOGY (EET)

For Undergraduates Only

1300. ELECTRICAL PRINCIPLES I. (3-3-0). Principles governing current, voltage, resistance and power in DC circuits. Series parallel, and series-parallel circuits. Network theorems. Prerequisite: Credit for or registration in 1301 and Mathematics 1810 or equivalent.

1301. ELECTRICAL PRINCIPLES I LABORATORY. (1-0-2). Prerequisites: Credit for or registration in 1300, 1311.

1311. ELECTRONIC FABRICATION LABORATORY. (1-0-2). Fabrication techniques for analog and digital circuits. Device symbols and markings, soldering, antistatic techniques, measurement, testing and troubleshooting.

- 1320. ELECTRICAL PRINCIPLES II.** (3-3-0). Alternating current. Capacitors, inductors, and impedance. AC circuit analysis theorems and techniques. Prerequisite: 1300-1301, credit for or registration in 1321; Mathematics 1810.
- 1321. ELECTRICAL PRINCIPLES II LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 1320.
- 1330. DIGITAL ELECTRONICS I.** (3-3-0). Logic function, logic gates, number systems and conversions, Boolean algebra, logic simplification, combinational circuits, programmable logic devices, and flip-flops. Analysis and design of basic digital logic circuits. Prerequisites: 1300-1301, credit for or registration in 1331.
- 1331. DIGITAL ELECTRONICS I LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 1330.
- 1380. ALTERNATIVE ENERGY SYSTEMS.** (3-3-0). A study of alternative energy ("green") sources and resources: the solar resource, solar photovoltaic technologies, solar thermal applications, wind energy systems, biomass energy systems, transportation energy technologies, and ocean wave energy. A comparative study of the United States and the developing world.
- 2320. BASIC ELECTRONICS.** (3-3-0). Principles of semiconductor devices and circuits. Design and analysis of diode and bipolar junction transistor in switching and amplifier circuits. Prerequisite: 1320-1321, credit for or registration in 2321.
- 2321. BASIC ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 2320.
- 2340. MICROCOMPUTERS.** (3-3-0). Computer overview with emphasis on hardware. The basic components of a microcomputer system, microprocessor basics, memory, secondary storage, input and output devices, operating systems, networks, and security. Prerequisite: Computer Information Systems 1020 or permission of the instructor.
- 2360. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS.** (3-3-0). Principles of magnetism and electromagnetic circuits. Transformer principles. AC and DC generators and motors-single phase, three phase, and synchronous machines. Prerequisite: 1320-1321, credit for or registration in 2361.
- 2361. ELECTRIC GENERATORS, MOTORS, AND TRANSFORMERS LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 2360.
- 2920. SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems in engineering technology. Individual or small group work. Prerequisite: Credit for or registration in 2320-2321 and consent of instructor.
- 3310. DIGITAL ELECTRONICS II.** (3-3-0). Programming and applications of programmable logic devices, sequential networks, state machine analysis and design, memories, integrated circuit technologies. Introduction to microprocessors and interfacing. Prerequisite: 1330-1331, 2320-2321, credit for or registration in 3311.
- 3311. DIGITAL ELECTRONICS II LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 3310.
- 3340. ADVANCED ELECTRONICS.** (3-3-0). Advanced semiconductor devices. Power amplifiers, Class A, B, and C amps, and the emitter follower. JFET and MOSFET devices and circuits, differential and operational amplifiers. Prerequisite: 2320-2321, credit for or registration in 3341.
- 3341. ADVANCED ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 3340.
- 3360. INSTRUMENTATION AND CONTROL.** (3-3-0). Transducers, signal conditioning, open and closed loop control. Proportional, derivative, and integral control modes. Analog-to-digital and digital-to-analog conversion. Analysis and design of control systems. Prerequisite: 1320-1321, Math 2010 or Math 2020, and credit for or registration in 3361.
- 3361. INSTRUMENTATION AND CONTROL LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 3360.
- 4300. MICROPROCESSOR FUNDAMENTALS.** (3-3-0). Microprocessor architecture, programming, and interfacing. Topics include addressing modes, instruction set, I/O operations, interrupts, timing, memory, peripheral interface devices, microprocessor system design, and an overview of advanced microprocessors. Prerequisite: 3310-3311, Computer Science 1060, credit for or registration in 4301.
- 4301. MICROPROCESSOR FUNDAMENTALS LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 4300.
- 4310. COMMUNICATION ELECTRONICS.** (3-3-0). Principles of filters and oscillation. Active and passive filters and oscillator circuits. Principles of AM, FM, and PM transmitters, and receivers. Phase Locked Loops. Prerequisite: 3340-3341, Physics 2040, credit for or registration in 4311.
- 4311. COMMUNICATION ELECTRONICS LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 4310.
- 4350. AUTOMATION AND CONTROL.** (3-3-0). Programmable logic controllers, microcontrollers, and robots. Prerequisite: 3360-3361, credit for or registration in 4351.
- 4351. AUTOMATION AND CONTROL LABORATORY.** (1-0-2). Prerequisite: Credit for or registration in 4350.
- 4360. WIRELESS COMMUNICATIONS SYSTEMS.** (3-3-0). Overview of communications with emphasis on wireless communications. Cellular and PCS communication systems, microwave and satellite systems, LMDS, wireless LAN, antennas and advanced topics in fiber optic communication systems. Prerequisites: Credit for 4310-4311, 4390, credit for or registration in 4361.
- 4361. WIRELESS COMMUNICATIONS SYSTEMS LABORATORY.** (1-0-2). Laboratory course to accompany EET 4360. Prerequisite: Credit for or registration in 4360.
- 4390. DIGITAL COMMUNICATIONS.** (3-3-0). Digital and data communications and transmission, protocols and standards, local and wide-area networks, multiplexing, satellite and fiber optic communications, and digital signal processing. Prerequisites: 3310-3311, 4310-4311, or consent of instructor.
- 4920. ADVANCED SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of advanced special problems in engineering technology. Individual or small group work. Prerequisite: Credit for or registration in 3340-3341 and consent of instructor.
- 4940. PROJECT DESIGN I.** (2-2-0). Principles of project management and engineering economics. Development of proposals for senior design project. Prerequisites: English 3230 or IET 3720 and senior status or consent of the instructor.
- 4950. PROJECT DESIGN II.** (2-0-0). This is a capstone course. Students will independently design (including specifications), construct, and test an approved electronics project within budget and on schedule. Students will prepare a written project report and give an oral presentation. Prerequisites: 4940.

ENGLISH (ENGL)

For Undergraduates Only

Placement in Freshman English is based on ACT scores.

- 21010. COMPOSITION AND RHETORIC I.** (3-3-0). The short paper; rhetoric, with emphasis on writing.
- 21020. COMPOSITION AND RHETORIC II.** (3-3-0). Writing the longer paper; diction, style, analysis and interpretation of collateral readings leading to the composition of the research paper. Prerequisite: ENGL 1010 with a grade of "C" or better or equivalent.
- 22070. MAJOR WRITERS IN WORLD LITERATURE.** (3-3-0). Including works by Homer, Cervantes, Moliere, Goethe, Flaubert, Dostoyevsky, Camus, and others, exclusive of English and American literature. Prerequisite: ENGL 1020 with a grade of "C" or better or equivalent.

- 2090. INTRODUCTION TO POETRY WRITING.** (3-3-0). Introduction to the major forms and conventions of contemporary American poetry and practice in composing original poems based on models. (Cannot be substituted for core undergraduate English curriculum requirements.) Prerequisite: 1010, 1020.
- 2100. INTRODUCTION TO SHORT FICTION WRITING.** (3-3-0). Introduction to the basic techniques and practices of short story writing.
- 2110. INTRODUCTION TO LITERATURE.** (3-3-0). This course introduces students to literature in its various forms and genres and has an extensive writing component. Prerequisite: C or better in both ENGL 1010 and 1020 or the equivalent.
- 2510. ARGUMENTATIVE WRITING.** (3-3-0). Study of classical and contemporary argumentative techniques and strategies. Practice in writing and researching different types of arguments. Prerequisite: 1020.
- 2610. INTRODUCTION TO ANALYTICAL WRITING.** (3-3-0). Study and practice in rhetorical analysis, causal analysis, and researched writing. Focused exercises in critical reading and writing. Prerequisite 1020.
- 3000. THE ORIGINS OF CHILDREN'S LITERATURE.** (3-3-0). Introductory literature course will present an overview of the history of children's literature and introduce students to children's literature as a field of critical literary study. Students will read a wide range of traditional children's literature and develop an understanding of the key developments in children's literature and the critical debates concerning the social roles and aesthetic forms of children's literature that will include historical, psychoanalytical, and folklore traditions.
- 3010. TEACHING YOUNG ADULT LITERATURE.** (3-3-0). This course introduces prospective teachers, librarians, and other educators to the use of contemporary adolescent literature across the curriculum. Multicultural and global selection, critical evaluation of the literature, issues of censorship, reader response theory, media connections, and reading/writing strategies for teaching young adult readers will receive major emphasis. Prerequisite: 2000 level literature.
- 3100. SURVEY OF AMERICAN LITERATURE I: BEGINNINGS TO 1865.** (3-3-0). A survey of American literature from its beginnings to 1865.
- 3150. SURVEY OF AMERICAN LITERATURE II: 1865 TO PRESENT.** (3-3-0). A survey of American literature from 1865 to present.
- 3160. SURVEY OF BRITISH LITERATURE I: BEGINNINGS TO 1800.** (3-3-0). Survey of British literature from its beginnings to the end of the 18th century.
- 3170. SURVEY OF BRITISH LITERATURE II: 1800 TO PRESENT.** (3-3-0). A survey of British literature from 1800 to the present.
- 3190. FOUNDATIONS OF ENGLISH GRAMMAR.** (3-3-0). The course covers the fundamental principles of the grammatical structure of formal written Standard American English. Topics include "What is 'Standard' English?"; parts of speech; the lexicon; clauses and phrases; the simple sentence; coordination and subordination; issues in the learning and teaching of grammar. Prerequisite: English 1020.
- 3200. ADVANCED GRAMMAR.** (3-3-0). This course studies the relationship between grammar, meaning, and the rhetorical situation. Students will learn to identify and analyze the effects of grammatical structure on the expression of meaning in texts and practice these skills in their own writing. Practical applications will be explored in various fields, including literature, film, linguistics, communication, and English education. Prerequisite: English 3190 or instructor approval.
- 3210. ADVANCED COMPOSITION.** (3-3-0). Forms of composition. Reading and analysis of non-fiction.
- 3230. TECHNICAL COMPOSITION.** (3-3-0). Form and techniques of writing for science, industry, and related fields.
- 3300. INTRODUCTION TO CREATIVE WRITING.** (3-3-0). To acquaint students with potential future in creative writing and to begin development of their talents.
- 3400. GREEK DRAMA AND MYTH.** (3-3-0). Readings in translation of Aeschylus, Sophocles, and Euripides, encompassing the content and style of selected plays as well as the mythological bases of drama.
- 3500. INTRODUCTION TO FILM: FILM GENRES.** (3-3-0). This course will provide an introduction to film through an examination of various film genres. Prerequisite: 1020.
- 3510. FILM THEORY.** (3-3-0). This course investigates the theoretical paradigms that engage the study of film. Through readings of theory and viewings of films, the student will learn how to apply film theory to a number of genres, styles and films from the last century. Prerequisite: ENGL 1020 or permission of instructor.
- 3520. HISTORY OF FILM.** (3-3-0). This course will provide an introduction to film history through an examination of films produced in the twentieth century. Prerequisite: 1020.
- 3850. SPECIAL TOPICS.** (3-3-0). May be repeated for credit when the topic varies.
Subtitles:
01-Black American Literature
03-Supernatural
04-Women in Literature
06-Detective Fiction
07-Anglo-Irish
08-Film and Narrative
09-Science Fiction
12-Genres of American Folk Culture
13-Tragic Tradition in Western Drama
- 3900. DIRECTED READING.** (3-3-0).
- 3910. MULTICULTURAL LITERATURE.** (3-3-0). Course than examines the intersections of various literatures and cultures. May be repeated for credit when topic varies.
- 4000. HISTORY OF THE ENGLISH LANGUAGE.** (3-3-0). Development; change since the Anglo-Saxon period; present-day usages and vocabulary.
- 4040. ADVANCED TECHNICAL REPORT WRITING.** (3-3-0). Focused study and practice in preparing corporate reports, feasibility studies, proposals, and professional articles.
- 4050. SENIOR SEMINAR.** (3-3-0). A survey of periods and genres and an intensive study of nine works.
- 4060. ADVANCED FICTION WRITING.** (3-3-0). A writing workshop devoted to advanced narrative techniques. Prerequisite: For undergraduates ENGL 2100 and completion of core requirements in communication (ENGL 1010, ENGL 1020), and at least one core literature (ENGL 2050, 2060, 2070, or 2080).
- 4070. CREATIVE NONFICTION WRITING.** (3-3-0). Introduction to the history, forms, and techniques of creative nonfiction writing, including practice in composing the short personal essay, nature/science writing essay, and memoir. Prerequisite: For undergraduates completion of core requirements in communication (ENGL 1010, ENGL 1020), and at least one core literature (ENGL 2050, 2060, 2070, or 2080).
- 4080. WRITING AS A PROFESSION.** (3-3-0). Capstone course for writing majors, surveys professional, scholarly, and creative writing, along with relevant markets for each.
- 4090. ADVANCED POETRY WRITING.** (3-3-0). Intensive study and practical application of the essential elements of writing poetry and instruction in composing the longer poetic genres (lyric sequence, chapbook, book). Prerequisite: ENGL 2090. (Prerequisite for undergraduates: ENGL 2090 and completion of core requirements in Communications: ENGL 1010, 1020, and at least one core literature: English 2050, 2060, 2070, or 2080).
- 4100. LANGUAGE IN SOCIETY.** (3-3-0). Regional and social variation in language use and language variation and change will be the primary areas of study in the course. The ways that language functions in society will be addressed as will ethnographic methods and survey methodology.

- ^{14110.} **FUNDAMENTALS OF LINGUISTICS.** (3-3-0). Historical, geographical, and structural linguistics. (Same as Anthropology 4160).
- ^{14130.} **CHAUCER.** (3-3-0). Major works; *The Canterbury Tales*; cultural, intellectual, and historical backgrounds.
- ^{14140.} **MEDIEVAL LITERATURE.** (3-3-0). Study of the major works of Middle English literature, excluding Chaucer.
- ^{14160.} **LANGUAGE AND GENDER.** (3-3-0). This course examines the connections between human gender and communication with emphasis upon socio-linguistic analysis. The course will include a survey of pertinent research from the beginning of linguistic studies regarding gender and communication to current research in the field. Prerequisite: Junior standing; completion of sophomore level core requirements in English.
- ^{14170.} **EARLY MODERN ENGLISH DRAMA.** (3-3-0). A survey of major English Renaissance playwrights, excluding Shakespeare. Prerequisites: Junior standing and completion of 1010, 1020, and at least one literature survey course.
- ^{14190.} **SHAKESPEARE.** (3-3-0). Comedies, histories, and tragedies; Shakespeare's development and the period in which he wrote.
- ^{14200.} **SEVENTEENTH-CENTURY ENGLISH LITERATURE.** (3-3-0). A survey of seventeenth-century English prose, poetry, and drama through the English revolution, focusing on the relation between history and literature.
- ^{14210.} **LITERATURE OF CONVERSION.** (3-3-0). The major literature of the conversion to Christianity from the late Antique period to the Early Middle Ages, studying in particular the world of St. Augustine, the conversion of the Anglo-Saxons, that of the Icelandic people and the literature of conversion from the saints' lives and regulatory texts.
- ^{14230.} **LITERATURE AND THE ENVIRONMENT.** (3-3-0). This course explores the vital relationship between literature and the environment, asking how changing perspectives about land and animals have influenced our perceptions of and relationships to the natural environment and our political priorities relative to environmental problems and solutions in fiction and nonfiction literature.
- ^{14240.} **LOCAL COLOR AND AMERICAN HUMOR WRITING.** (3-3-0). From its very beginnings, American "local color writing" has been designed as a lower form of literature. Sometimes referred to as regionalism, local color writing filled the collective American consciousness from roughly 1850-1900 at a time when America was attempting to understand itself as a whole entity. By the beginning of the twentieth century, American regionalism – and indeed American humor writing – had been shrugged aside as "serious literature." But a proliferation of American humorists of the twentieth century – most of them intellectuals, scholars and literary enthusiasts – continued to work on the margins of American literature. This course will examine the uniqueness of American humor through its influence on American culture, literature, non-fiction, magazine writing, popular culture, film and television.
- ^{14250.} **EIGHTEENTH-CENTURY BRITISH LITERATURE.** (3-3-0). A study of the prose and poetry of Dryden, Pope, Swift, Johnson, and some minor writers.
- ^{14260.} **MILTON.** (3-3-0). Major works; *Paradise Lost* and selected prose.
- ^{14310.} **THE ROMANTICS.** (3-3-0). Major Romantic poets including Wordsworth, Coleridge, Byron, Shelley, and Keats.
- ^{14320.} **FOLK AND FAIRY TALES.** (3-3-0). Students will employ folklore theory to critically analyze folk and fairy tales selected from a variety of cultures and times, explore how and in what contexts these tales are told and retold, as well as the function the performance of these tales play in various societies. Students will also examine how the incorporation of folk and fairy tales enrich modern literary texts and films. Prerequisite: 2000 level literature.
- ^{14330.} **THE VICTORIANS.** (3-3-0). Victorian poetry; Tennyson, Browning, and the Pre-Raphaelites.
- ^{4340.} **ETHNOGRAPHIC AND DOCUMENTARY FILM-MAKING.** (3-3-0). Course will focus upon a definition of ethnography and will incorporate the best practices in documentary filmmaking. Issues to be addressed will include editorial choices, inclusion of contextual information, cultural ownership and culture as commodity/product, and the best ways in which to depict cultures on their own terms.
- ^{14350.} **THE ENGLISH NOVEL TO 1800.** (3-3-0). Classic forms of the novel – epistolary and picaresque – beginning in the 18th century and ending with Austen's novel of manners.
- ^{14360.} **THE ENGLISH NOVEL SINCE 1800.** (3-3-0). The English novel since the Industrial Revolution; George Eliot, Butler, and Hardy to Joyce and Woolf. The novel as a document of social change and commentary.
- ^{14400.} **MODERN DRAMA AS LITERATURE.** (3-3-0). A study of modern drama, beginning with Henrik Ibsen and ending with August Wilson (emphasizing American dramatists).
- ^{14420.} **LITERARY CRITICISM.** (3-3-0). Evolution of critical theory; literary periods from Greek through 20th century British and American.
- ^{4430.} **ARTHUR IN CONTEXT.** (3-3-0). This course examines the progress of the Arthurian legend beginning with its inception in historical documents, its Celtic and Romantic developments, and includes Malory's *Morte D'Arthur*, Tennyson's *Idylls of the King*, culminating in the late 19th and 20th Century developments as demonstrated in T. S. Eliot, White and Monty Python. The theoretical focus of the course will be an examination of the Arthurian legend as a nation-building myth; evaluating the extent to which Arthur has been used culturally and politically throughout the ages.
- ^{14440.} **AMERICAN POETS.** (3-3-0). American poetry from the colonial period through Whitman to modern; development of the distinctive American voice in poetry.
- ^{4450.} **POPULAR LITERATURE AND THE BESTSELLER LIST.** (3-3-0). In this course, we read bestselling 20th-century fiction and nonfiction books as a means of understanding literature, the publishing industry, the creation of the literary canon, and popular culture.
- ^{14490.} **AMERICAN RENAISSANCE.** (3-3-0). Essays and short fiction of mid-19th century American prose writers, especially Emerson, Thoreau, and Hawthorne.
- ^{14570.} **THE AMERICAN NOVEL TO 1900.** (3-3-0). Major themes in development from the early republic through the flowering of New England (Melville, Hawthorne).
- ^{4580.} **WRITING AND LITERACY INSTITUTE.** (6-6-0). Drawing on the National Writing Project "teachers-teaching-teachers" model of professional development, the Writing and Literature Institute will examine the connection between effective reading and writing pedagogy and their purposeful application to classroom practice. Open to undergraduate majors in English or English Education who are pre-service teachers within two years of graduation. Prerequisite: Consent of instructor; application process and interview required.
- ^{14590.} **THE MODERN AMERICAN NOVEL.** (3-3-0). Works of the most significant novelists; style, theme, and development; Steinbeck, Hemingway, Faulkner, and others.
- ^{14610.} **THEORIES AND PRACTICES IN THE TEACHING OF ENGLISH.** (3-3-0). This course allows English Education students to focus on pedagogy specific to English language arts, in addition to synthesizing the content knowledge they've accumulated into practical application in the middle and secondary level classroom. Course assignments and projects will demonstrate effective practice in the teaching of language, literature, and writing. Prerequisite: permission of instructor.
- ^{14620.} **RHETORICAL THEORY: THE CLASSICAL AGE.** (3-3-0). The development of composition and rhetorical theory from Classical Greece and Rome.
- ^{14630.} **MODERN RHETORICAL THEORY.** (3-3-0). Composition and rhetorical theory from the 18th century to the present.
- ^{14640.} **CONTEMPORARY COMPOSITION THEORY.** (3-3-0). New directions in theory and practical application to composition and literature.

- 14650. THE SOUTHERN RENAISSANCE.** (3-3-0). Flowering of literary culture in the South from 1920 -1950. Addresses the fiction of authors of the era; poetry and criticism of the Agrarian and Fugitive movements; trends in the novel, short fiction, and drama of the Southern regional tradition.
- 14660. SYNTACTICAL THEORIES.** (3-3-0). Traditional structural, transformational, and current theories applied to composition.
- 14670. FOLKLORE.** (3-3-0). Development of folklore in America; effects of regionalism upon it.
- 14680. RHETORICAL THEORY: POST-CLASSICAL TO MODERN.** (3-3-0). Survey of rhetorical theory and practice from medieval times through the end of the 18th century.
- 14690. CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, an era of unprecedented growth and development in the Southern tradition.
- 14700. LITERATURE AND CULTURE.** (3-3-0). Interdisciplinary course that examines the intersections of various literatures and cultures. May be repeated for credit when topic varies.
Subtitles:
01 – Literature and Food
02 – The Literature of Health and Healing
- 14710. FILM SEMINAR I: DIRECTORS.** (3-3-0). This course will examine the works of a notable Director or Directors.
Prerequisite: 1020.
Subtitle:
01 – Hitchcock
- 14720. LANGUAGE, SOCIAL INTERACTION, AND SOCIAL IDENTITY.** (3-3-0). The role of language in communication. An analysis of the complexity of human languages, languages in contact, language modality, and its impact on social interactions and conceptions of self.
- 14740. COMPUTERS AND COMPOSITION.** (3-3-0). Examines the use of various applications of computer technology, including computer conferencing, word processing, hypermedia, and the Internet, to the teaching of composition.
- 14750. SEMINAR: MAJOR AUTHORS.** (3-3-0). Intensive study of a major figure, emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: Junior standing.
Subtitles:
01-O'Neill
02-Tennessee Williams
- 14770. LOUISIANA CREOLE FOLKWAYS.** (3-3-0). This course is a study of folk traditions within Louisiana Creole communities; fieldtrips to these communities will be part of the course as will interaction with traditional artists. Prerequisite: Successful completion of ENGL 2050, 2060, 2070, or 2080.
- 14790. GRANT WRITING.** (3-3-0). This course provides an overview of grant writing with an emphasis upon location of funding sources, grant preparation, sound grant management practices, grant writing, and grant review.
- 14800. PRINCIPLES OF LITERARY RESEARCH.** (3-3-0). Methods and techniques.
- 14870. FOLKLORE AND FILM.** (3-3-0). Students will employ folklore theory to critically analyze the incorporation of folklore and "the folk" in both narrative and ethnographic documentary film. Prerequisite: 2000 level literature.
- 14873. LOUISIANA CREOLE LITERATURE.** (3-3-0). This course is a survey of Louisiana French Creole literature from 1848 to the present encompassing both French-language texts in translation and texts originally written in English. The literary genres covered will include poetry, drama, fiction, nonfiction, and children's literature. Prerequisites: Completion of ENGL 1010, 1020, and one of the following: ENGL 2050, 2060, 2070, 2080.
- 14900. ENGLISH INTERNSHIP.** (3-0-6). For English majors. Prerequisite: Junior standing, nine hours of English beyond the sophomore level, and consent of instructor. Six hours of practicum per week.

- 14980. FILM SEMINAR II: GENRES.** (3-3-0). This course will examine the works in a specific film genre, investigating both general characteristics and historical development.
Prerequisite: 1020.
Subtitle:
01-Horror

- 1 All sophomore courses in English, required in any curriculum, must be completed before entry into an advanced English course.
2 Students must earn a C or better in ENGL 1010, 1020, and the sophomore literature courses in order to be able to enroll in 3000 and 4000 level ENGL courses.

For Graduates Only

The specific field of study in the following courses is determined by the instructor. Texts and subjects are changed at the discretion of the instructor.

- 5010. OLD ENGLISH.** (3-3-0).
- 5020. AMERICAN RENAISSANCE.** (3-3-0). Consists primarily of essays and short fiction of mid-19th Century American prose writers, especially Emerson, Poe, Thoreau, Fuller, Hawthorne, Stowe, and Melville.
- 5030. NATIONAL WRITING PROJECT SUMMER INSTITUTE.** (6-24-0). Intensive seminar in the practice and teaching of writing. Particular emphasis is placed on both writing and teaching as processes, as well as on the effective use of the Writer's Workshop model.
- 5040. INTRODUCTION TO PHONOLOGY.** (3-3-0). The course presents a basic introduction to speech and speech production from the point of view of linguistics. The basic features of speech system and production are discussed in detail. Students will also learn a phonetic transcription system to describe and analyze the speech sounds of English and other languages. Prerequisite: Graduate standing.
- 5050. QUALITATIVE RESEARCH METHODS FOR LANGUAGE AND COMMUNICATION STUDIES.** (3-3-0). Introduces and examines commonly accepted procedures and epistemological foundations for qualitative research in language and communication studies such as participant observation, interviewing, and ethnography. Both doing and reporting qualitative research studies will be stressed.
- 5060. INTERCULTURAL COMMUNICATION.** (3-3-0). This course will examine principles and theories of communication across cultures. Topics to be discussed include intercultural communication competence, cultural patterns of communication, verbal and nonverbal dimensions of intercultural communication, and obstacles to intercultural communication.
- 5090. MEDIEVAL THROUGH 18TH CENTURY RHETORIC.** (3-3-0). Survey of rhetorical theory from medieval times through 1700s. Application of theories to scholarship in the history of rhetoric and the teaching of writing.
- 5210. MODERN AND CONTEMPORARY LITERARY THEORY.** (3-3-0). Designed to follow "Literary Criticism," English 5500, "Modern and Contemporary Literary Theory" will explore important post-1960's texts and their background sources.
- 5230. ADVANCED TECHNICAL WRITING AND EDITING.** (3-3-0). Practice and theory of technical writing and editing, organization, presentation and style of reports, articles, etc. that emerge in technical fields.
- 5240. PRINCIPLES OF SECOND LANGUAGE LEARNING, INSTRUCTION AND METHODOLOGY.** (3-3-0). Examines a number of second language learning/teaching paradigms and focuses on the changing forms and functions of methodology and technique as the emphasis of language pedagogy has shifted from teacher directed, drill and pattern practice to learner focused, task-based instruction.
- 5250. STUDIES IN THE 18TH CENTURY.** (3-3-0).
Subtitles:
01-Essays, Poetry and Drama
02-Novels
03-Special Topics

- 5260. CLASSICAL RHETORIC.** (3-3-0).
- 5270. CONTEMPORARY RHETORIC.** (3-3-0).
- 5280. GENERAL COMPOSITION THEORY.** (3-3-0).
- 5290. STRUCTURAL VARIANCE IN COMPOSITION.** (3-3-0).
- 5300. STUDIES IN THE 19th CENTURY.** (3-3-0).
Subtitles:
01-The Romantics
02-The Victorians
03-Novel since 1800
04-Special Topics
- 5320. FOLK AND FAIRY TALES.** (3-3-0). Students will employ folklore theory to critically analyze folk and fairy tales selected from a variety of cultures and times, explore how and in what contexts these tales are told and retold, as well as the function the performance of these tales play in various societies. Students will also examine how the incorporation of folk and fairy tales enrich modern literary texts and films. Prerequisite: 2000 level literature.
- 5340. ETHNOGRAPHIC AND DOCUMENTARY FILM-MAKING.** (3-3-0). Course will focus upon a definition of ethnography and will incorporate the best practices in documentary filmmaking. Issues to be addressed will include editorial choices, inclusion of contextual information, cultural ownership and culture as commodity/product, and the best ways in which to depict cultures on their own terms.
- 5350. STUDIES IN THE 20th CENTURY.** (3-3-0).
Subtitles:
01-Novels
02-Poetry
03-Drama
04-Reading Film and/as Literature
- 5400. STUDIES IN AMERICAN LITERATURE I.** (3-3-0).
Subtitles:
01-Colonial
02-Nationalism and Romanticism
03-Poetry
04-Novels
05-Drama
- 5450. STUDIES IN AMERICAN LITERATURE II.** (3-3-0).
Subtitles:
01-Rise of Realism
02-Modern
03-Poetry
04-Novels
05-Drama
06-African-American
- 5500. STUDIES IN LITERARY CRITICISM.** (3-3-0).
- 5540. SECOND LANGUAGE TESTING AND ASSESSMENT.** (3-3-0). The course will study the theory and practice of designing and implementing various types of tests and assessments to measure student learning outcomes in second language educational programs, focusing especially on English as a Second Language (ESL) courses. Tests designed for the academic program level, including placement and exit tests, will also be considered.
- 5550. PROBLEMS IN CREATIVE WRITING.** (3-3-0).
- 5560. SOUTHERN WOMEN WRITERS.** (3-3-0). A focus on the tradition of Southern fiction as demonstrated in selected writings by Southern women authors.
- 5570. SOUTHERN LITERATURE BEFORE 1920.** (3-3-0). Provides introduction to Southern Literature written prior to 1920. The Literature of the American South prior to 1920 includes a wide variety of diaries, political documents, poetry, drama, and fiction. The course will also focus on a genre of literature, the Humor of the Old Southwest.
- 5580. FOLKLORE OF THE SOUTHERN UNITED STATES.** (3-3-0). Introduces folklore of major folk groups in the southern United States including Anglo-American, Afro-American, Native American, French and Spanish. Emphasis placed on verbal lore such as folk language, proverbs, tales, songs, legends, and myths.
- 5590. CONTEMPORARY SOUTHERN LITERATURE.** (3-3-0). Focuses upon trends in Southern writing from 1950 to the present, placing particular emphasis on the pivotal forms of this era, the novel and short story. Addresses contemporary critical and theoretical methodologies as aids in reading contemporary Southern texts.
- 5600. USES OF FOLK MATERIALS IN TEACHING.** (3-3-0). Basic concepts and materials of folklore; analysis of folk materials as resources for instruction. Folk materials as a resource for writing.
- 5700. PROBLEMS IN BLACK ENGLISH AND NON-STANDARD DIALECTS.** (3-3-0). Technical description of non-standard dialects of American English, especially Black English; pedagogical application to teaching of the standard dialect and of literary skills.
- 5710. LOUISIANA FICTION.** (3-3-0). Representative 20th Century Louisiana writers of fiction such as George Washington Cable, James Aswell, Robert Penn Warren, Lafcadio Hearn, Shirley Ann Grau, Kate Chopin, Lyle Saxon, Ernest Gaines, and Arna Bontemps.
- 5720. HISTORY, THEORY, AND PRACTICE OF PUBLIC FOLKLORE.** (3-3-0). Provides introduction to history, theory, and practice of public folklore programming. Examines applied folklore projects in national, state, and regional contexts while encouraging students to develop expertise in specific areas of public folklore such as publication, audio/video documentation, crafts, exhibits, education and festivals. Prerequisite: Undergraduate or graduate level introduction to folklore. (Same as Anthropology 5720).
- 5721. INTERNSHIP IN PUBLIC FOLKLORE.** (3-0-0). Internship in Public Folklore. Seventeen hours per week and completion of a project defined by Director of the Louisiana Folklife Center. Possibilities include but are not limited to editing Louisiana Folklife, coordinating major components of Natchitoches/Northwestern State University Folk Festival, completing surveys of folk cultural resources, writing and coordinating grants, and helping develop small community folk cultural events such as silent exhibits and folklore performances. Prerequisites: 5600 (or approved senior/graduate folklore course) and 5720.
- 5800. BIBLIOGRAPHY AND LITERARY RESEARCH.** (3-3-0).
- 5870. FOLKLORE AND FILM.** (3-3-0). Students will employ folklore theory to critically analyze the incorporation of folklore and "the folk" in both narrative and ethnographic documentary film. Prerequisite: 2000 level literature.
- 5900. SPECIAL PROBLEMS IN RESEARCH.** (1 to 4-3-0). A maximum of three hours of credit may be applied toward a degree.
- 5920. ENGLISH INTERNSHIP.** (3-0-0). For graduate students in English. Interning with an organization approved by the instructor and completion of a project defined by the instructor. Permission of instructor required.
- 5980. THESIS.** (3 to 6-0-0). Maximum, six hours.
- 6030. ECOCRITICISM.** (3-3-0). This class is an introduction to the theory and practice of ecocriticism, a form of literary analysis that examines the role of the environment in texts. Ecocriticism assumes that human culture is connected with the physical world and takes as its subjects the interconnections between the cultural and the natural; as a theoretical discourse, it negotiates between the human and the nonhuman, the self and the other.
- 6090. ADVANCED POETRY WRITING.** (3-3-0). This course provides intensive study and practical application of modes and strategies available to the contemporary poet.
- 6100. STUDIES IN MEDIEVAL LITERATURE.** (3-3-0).
Subtitle:
01-Chaucer

- 6110. STUDIES IN RENAISSANCE LITERATURE.** (3-3-0).
Subtitles:
01-Shakespeare's Tragedies
02-Shakespeare's Comedies
03-Shakespeare
04-Non-dramatic Literature
- 6120. STUDIES IN THE 17th CENTURY.** (3-3-0).
Subtitles:
01-Milton
02-Poetry
03-Prose
04-Drama
- 6200. MAJOR AUTHORS SEMINAR.** (3-3-0). Intensive study of the works of a major literary figure or figures in American or British literature. American authors may include William Faulkner, Edgar Allan Poe, Emily Dickinson, or Zora Neale Hurston. British authors may include Charles Dickens, George Eliot, Thomas Hardy, James Joyce, D.H. Lawrence. May be repeated for credit as course content varies.
- 6210. FORMS OF POETRY.** (3-3-0). The major forms of contemporary poetry will be examined in their historical, critical, and political contexts, and students will demonstrate their understanding of the various forms by writing their own original poems in response. Prerequisite: Admission to the graduate program in English or another discipline.
- 6230. LITERATURE AND THE ENVIRONMENT.** (3-3-0). This course explores the vital relationship between literature and the environment, asking how changing perspectives about land and animals have influenced our perceptions of and relationships to the natural environment and our political priorities relative to environmental problems and solutions in fiction and nonfiction literature.
- 6240. LITERATURE OF CONVERSION.** (3-3-0). The major literature of the conversion to Christianity from the late Antique period to the Early Middle Ages, studying in particular the world of St. Augustine, the conversion of the Anglo-Saxons, that of the Icelandic people and the literature of conversion from the saints' lives and regulatory texts.
- 6290. STUDIES IN THE MODERN AMERICAN NOVEL.** (3-3-0). This course will focus upon the works of the Modernist period in American literature, specifically the novels of Hemingway, Faulkner, Steinbeck, and Fitzgerald. History and culture of the era will be addressed in terms of their impact upon the literary texts.
- 6300. LITERATURE AND CULTURE.** (3-3-0). Interdisciplinary course that examines the intersections of various literatures and cultures. May be repeated for credit when topic varies.
Subtitles:
01 – Literature and Food
02 – The Literature of Health and Healing
- 6310. THE LITERATURE OF THE SOUTHERN RENAISSANCE.** (3-3-0). Focuses upon literary trends of the Southern Renaissance from 1920-1950, with particular emphasis on the novel and short fiction. Also addresses relevant critical and theoretical methodologies as aids to reading contemporary Southern texts.
- 6373. LOUISIANA CREOLE LITERATURE.** (3-3-0). This course is a survey of Louisiana French Creole literature from 1848 to the present encompassing both French-language texts in translation and texts originally written in English. The literary genres covered will include poetry, drama, fiction, nonfiction, and children's literature.
- 6470. LOUISIANA CREOLE FOLKWAYS.** (3-3-0). This course is a study of folk traditions within Louisiana Creole communities; fieldtrips to these communities will be part of the course as will interaction with traditional artists.
- 6480. INTRODUCTION TO FOLKLORE AND FOLKLIFE.** (3-3-0). This course presents an overview of folklore and folklife and addresses multiple genres and practices.
- 6540. COMPUTERS & COMPOSITION.** (3-3-0). This course will give students experience in working with a totally online writing environment. Students will gain experience writing for the web, writing in MOO rooms and blog spaces. This course will also investigate our changing notions of literacy as a result of digital technologies.
- 6580. WRITING AND LITERACY INSTITUTE.** (6-6-0). Drawing on the National Writing Project "teachers-teaching-teachers" model of professional development, the Writing and Literature Institute will examine the connection between effective reading and writing pedagogy and their purposeful application to classroom practice. Prerequisite: Consent of instructor; application process and interview required.
- 6590. NATIONAL WRITING PROJECT – ADVANCED INSTITUTE.** (3-3-0). This course is an intensive seminar in the practice of writing and of teaching writing. Topics for study will vary, but the course will always maintain a writing focus rooted either in academic writing or grant writing or a combination of both. Participants are expected to then employ the National Writing Project model of teachers teaching teachers. Course enrollment is limited to selected applicants who meet appropriate criteria for inclusion into the Institute.
- 6600. ADVANCED STUDIES IN LANGUAGE IN SOCIETY.** (3-3-0). Regional and social variation in language use and language variation and change will be the primary areas of study in the course. Additionally, ethnographic methods and survey methodology will be addressed. Prerequisite: Admission to graduate program in English or related field.
- 6610. FUNDAMENTALS OF LINGUISTICS.** (3-3-0). This course provides an overview of the fields of linguistics, linguistic terminology, and the underlying philosophies of the study of language. Prerequisite: Admission to graduate program in English or related field.
- 6620. THE HISTORY AND DEVELOPMENT OF THE ENGLISH LANGUAGE.** (3-3-0). Study of the historical development of the English language from its beginnings to contemporary forms. Prerequisite: Graduate standing.
- 6630. ARTHUR IN CONTEXT.** (3-3-0). This course examines the progress of the Arthurian legend beginning with its inception in historical documents, its Celtic and Romantic developments, and includes Malory's *Morte D'Arthur*, Tennyson's *Idylls of the King*, culminating in the late 19th and 20th Century developments as demonstrated in T. S. Eliot, White and Monty Python. The theoretical focus of the course will be an examination of the Arthurian legend as a nation-building myth; evaluating the extent to which Arthur has been used culturally and politically throughout the ages.
- 6640. SYNTACTICAL THEORIES AND APPLICATIONS.** (3-3-0). Study in current formal, functional, and cognitive theories of syntax within the field of linguistics. Practice in applying theoretical perspectives to the analysis of language data in English and other languages. Explore the application of syntactical theories to other areas of knowledge.
- 6650. ADVANCED STUDIES IN LANGUAGE AND GENDER.** (3-3-0). This course examines the connections between human gender and communication with emphasis upon sociolinguistic analysis. The course will include a survey of pertinent research from the beginning of linguistic studies regarding gender and communication to current research in the field. Prerequisite: Admission to graduate program in English or related field.
- 6890. GRANT WRITING.** (3-3-0). This course provides an overview of grant writing. Topics covered will include funding sources, grant writing, grant reviews, sound grant management practices, and grant submission. Prerequisite: Admission to graduate program in English or related field.
- 6950. RESEARCH PROBLEMS.** (3-3-0). For students pursuing the non-thesis option in the M.A. program in English. Research and preparation leading to 2 research reports in lieu of thesis. All other requirements for the degree must be completed prior to registering for this course (i.e.: foreign language, required courses). Continuous enrollment required until papers are accepted by the graduate school. May not be repeated for credit.

FAMILY AND CONSUMER SCIENCES (FACS)

For Undergraduates Only

1010. **BEGINNING CLOTHING CONSTRUCTION.** (3-1-4). Construction of apparel. Fabric and style selection, fitting and alterations.
1041. **FOOD PREPARATION EXPERIENCES.** (1-0-2). Principles of food preparation with emphasis on applied laboratory experiences. Focuses on food experiences for young children. Prerequisite: For departmental majors only.
1070. **PROFESSIONAL FAMILY AND CONSUMER SCIENCES.** (3-3-0). Introduction to roles and responsibilities of the professional in early childhood care and education, Fashion Merchandising, Housing and Interiors, Consumer Services, and Hospitality Management and Tourism. For majors only.
1090. **INTRODUCTION TO CHILDREN AND FAMILIES.** (3-3-0). Introduction to the study of children and families; family systems theory; the interaction of children and families within their near environments.
1120. **SOCIAL AND BUSINESS ETIQUETTE.** (1-1-0). Fundamental social concepts relative to the home, society, business and the world.
2000. **CHILD DEVELOPMENT AND GUIDANCE.** (3-3-0). Focus on the development of the child within the context of the family setting. Emphasis on a holistic approach to the physical, cognitive, social, and emotional development with special attention to proper guidance. Study of the impact of the family as related to heredity and cultural diversity, on the child's development.
2010. **FOOD SCIENCE.** (3-1-4). Overview of principles of food selection and production, safety, and principles of heat transfer; includes history and trends of the food industry and equipment; introduction of the application of scientific principles in baking.
2030. **TEXTILES.** (3-3-0). Production, selection, use, and care of textile fibers and fabrics; laboratory.
2040. **INFANTS AND TODDLERS.** (3-3-0). Study of the approach to infant learning through facilitating natural interests and urges to learn. Focus on the interaction with infants in ways that support their initiations in learning and discovery, and the importance of close and responsive relationships with parents and caregivers.
2050. **FOOD SERVICE LAYOUT, EQUIPMENT, SAFETY AND SANITATION.** (3-1-4). Commercial kitchen layout, design, sanitization and safety characteristics with emphasis on receiving and ingredient control; selection, operation, and care of large equipment, overview of small wares and knife skills.
2060. **PSYCHOLOGICAL AND SOCIOLOGICAL INFLUENCES OF DRESS.** (3-3-0). Focuses on the psychology, social implications and physiological aspects of appearance as related to the life stages in a multi-cultural society. Includes elements of design and consumer clothing considerations.
2090. **PLANNING AND ADMINISTERING PROGRAMS FOR YOUNG CHILDREN.** (3-3-0). The staff's role and responsibility in organizing and operating a child care facility, working with parents in public and home settings, and investigating community resources.
2500. **FIELD SERVICE FOR CHILD DEVELOPMENT AND FAMILY RELATIONS.** (4 to 6-0-0). Field placement experience in the student's concentration. A minimum of 30 hours of field work required for each hour of credit earned. Prerequisites: 1090, 2000, 2040, and 2090; or consent of department head.
3000. **THE CHILD'S ENVIRONMENT.** (3-3-0). A study of the relationship between the power of environment and its impact on children. Assessment of appropriate spaces for young children in homes or other child care settings to include equipment, furnishings, toys and other materials. Emphasis on guidance for families in the development of safe and nurturing environments for young children.

3020. **PARENTING.** (2-2-0). Parenting is designed to provide students with experiences that clearly demonstrate the importance of the role of the parent and their effect on healthy human development and behavior. Prerequisite: Sophomore standing.
3030. **INDIVIDUAL AND FAMILY MANAGEMENT.** (3-3-0). Focus on family systems theory; principles and techniques for utilizing resources to meet personal and family goals. Prerequisite: Junior standing.
3050. **MEAL MANAGEMENT.** (3-1-4). Planning, preparation and service of food for individuals and small groups with emphasis on resource management, nutrition, the occasion, food safety and the components of food selection; includes exploration of historical and cultural aspects of U.S. regional and foreign cuisines. Prerequisite: NUTR 1020 or 1030, junior standing or consent of instructor.
3070. **QUANTITY FOOD PRODUCTION AND SERVICE.** (3-1-4). Application of menu planning, food production and service principles to large group functions with emphasis on buffet service; exploration of cycle menus for institutional and cafeteria service; overview of inventory management; and completion of "food service manager's safety and sanitation training." Prerequisite: Junior standing or consent of instructor.
3090. **HOUSING.** (3-3-0). Environmental, interpersonal, psychological, and socioeconomic factors involved in housing decisions. Housing needs of low income, elderly, and handicapped. Prerequisite: Junior standing.
3100. **HOME FURNISHING.** (3-3-0). Houses, house plans and furnishings; making and adapting house plans; furnishings from artistic and economic points of view. Prerequisite: Junior standing.
4010. **PERSPECTIVES IN FAMILY AND CONSUMER SCIENCES.** (2-2-0). Preparation for making the transition from student to professional. (For seniors only).
4050. **HISTORY OF COSTUME.** (3-3-0). The study of dress and adornment of the historical periods of western civilization. Important periods of costume of western civilization; their relationship to life of the times and their importance in evolution and inspiration of modern dress. Prerequisite: 2030 or consent of instructor.
4080. **CONSUMER PROBLEMS.** (3-3-0). Buying problems; principles of purchasing household commodities. Prerequisite: Junior standing.
4110. **SPECIAL PROBLEMS IN FAMILY AND CONSUMER SCIENCES.** (1 to 3-3-3). Individual and class study of specialized problems; for advanced students who are interested in and have a need for work in a particular area of family and consumer sciences.
4140. **FAMILY FINANCE.** (3-3-0). Economic problems of individuals and families; family incomes, expenditures, standards and levels of living; management and resources to achieve personal and family goals.
4160. **FAMILY DEVELOPMENT.** (3-3-0). Concepts of family systems theory as applied to relationships in family living over the life cycle. Prerequisite: Junior standing.
4170. **DYNAMICS OF CHILDREN AND FAMILIES WITHIN COMMUNITIES.** (3-3-0). Understanding families with young children and the importance of how to implement family involvement programs, leading to strong communities. Concepts of family systems theory relative to children and families; understanding family diversity, strengths, functions and structure. The application of community involvement with children and families.
4500. **FIELD EXPERIENCE.** (4 to 12-0-0). Controlled work experience in the student's area of concentration, designed by host organization and instructor to blend theory and practice. A minimum of 30 hours of employment required for each hour of credit earned. Periodic evaluations, special projects and a summary report. Prerequisite: Junior standing or consent of instructor.

FINANCE (FIN)

For Undergraduates Only

- 2150. PERSONAL FINANCE.** (3-3-0). Financial planning, budgeting, managing income, taxes, sources of credit, risk management and insurance, personal investing and buying a home or car.
- 3090. BUSINESS FINANCE.** (3-3-0). Financial statement analysis, working capital management, time value of money, capital structure, leverage, cost of capital theory and concepts, capital budgeting, pro forma statements and analysis, and securities valuation. Prerequisite: ACCT 2010.
- 3100. MONEY AND BANKING.** (3-3-0). Origin, development, and functions of money; basic monetary theory, financial institutions of the U.S. and how they affect the volume of spending. (Same as Economics 3100.) Prerequisites: Economics 2000 and 2010.
- 3130. PRINCIPLES OF INSURANCE.** (3-3-0). Nature, business and personal uses, regulations, provisions and coverage of life, health, home, auto liability and transportation insurance. Prerequisite: Junior standing or consent of instructor.
- 3150. REAL ESTATE.** (3-3-0). Nature and principles of real estate: interests, ownership, legal descriptions, encumbrances, transfer of titles, financing, brokerage, appraisal, contracts and legal aspects, and licensing laws and regulations. Prerequisite: Junior standing or consent of instructor.
- 3160. REAL ESTATE APPRAISAL I.** (3-3-0). Principles and concepts of real estate valuation, value theory, and professional standards and methodology. Prerequisite: Junior standing or consent of instructor.
- 3320. LIFE, ACCIDENT, AND HEALTH INSURANCE.** (3-3-0). Principles of personal and business life, accident and health insurance: types of policies, contract provisions, premiums, policy selection, underwriting, employee benefit plans, and the organization, management and regulation of insurance companies. Prerequisite: Junior standing or consent of instructor.
- 3620. INTRODUCTION TO OIL AND GAS FINANCE.** (3-3-0). This course introduces oil and gas finance by explaining drilling decisions, mineral-right ownership, casing-point election, and tax benefits unique to oil & gas. With an emphasis on the independent investor, it analyzes oil & gas deals, leasing and investment performance. It describes industry practices for managing financial risk including markets, futures, swaps, and options. While it can stand alone, it is designed to be the continuation of BUAD 3610. Prerequisite: FIN 3090 and BUAD 3610 or instructor consent.
- 4020. FINANCIAL MARKETS AND INSTITUTIONS.** (3-3-0). This course provides an understanding of the role of financial institutions in the economy and how they operate. Topics include financial markets and instruments, regulation of financial institutions, loan analysis, securitization of asset portfolios, and the management of deposits. Prerequisites: 3090.
- 4050. INTERNATIONAL FINANCE.** (3-3-0). This course examines the principles of international trade, foreign exchange markets, and international operations. Topics include comparative advantage, balance of payments, currency derivatives, international banking, and financial statements. Prerequisites: 3090, 3100 and BUAD 3270.
- 4120. PRINCIPLES OF INVESTMENTS.** (3-3-0). Types of securities; money markets and capital markets; security analysis; portfolio management. Prerequisites: 3090, Economics 2000, 2010.
- 4150. PORTFOLIO MANAGEMENT.** (3-3-0). This course focuses on analytical methods of evaluating assets for inclusion in a portfolio. Financial assets are analyzed on an individual basis and in relationship to other assets in order to determine efficient risk and return tradeoffs. Prerequisites: 4120.

- 4200. FINANCIAL POLICIES AND PRACTICES.** (3-3-0). Application of financial management principles to situations involving decisions with emphasis on financial analysis using problems and cases. Prerequisite: 3090 and junior standing.
- 4220. STATEMENT ANALYSIS.** (3-3-0). Comparative analysis of financial statements; information processing and reporting for the purpose of understanding accounting information. Emphasizes the concepts associated with compilations and review services performed in accordance with generally accepted accounting principles. (This course is the same as ACCT 4220). Prerequisite: 3090.

FINE ARTS (FA)

For Undergraduates Only

- 1040. EXPLORING THE ARTS.** (3-3-0). The fine arts (music, visual art, drama, and dance) as they relate to the human experience. Related subjects such as film and architecture will also be discussed.

For Graduates Only

- 5040. LEARNING TO TEACH FINE ARTS SURVEY.** (3-3-0). Teaching the Fine Arts (Music, Visual Art, and Theatre/Dance) as they relate to the human experience, including relationships with the political and social histories of various cultures. Prerequisites: Undergraduate degree and admission to NSU Graduate Program.

FRENCH (FREN)

For Undergraduates Only

- 1010. INTRODUCTION TO FRENCH.** (3-3-0). Grammar; vocabulary; idioms; formation and recognition of tenses; reading in French; oral and aural comprehension; translation into French and English. Designed for beginners.
- 1020. INTRODUCTION TO FRENCH.** (3-3-0). Continuation of 1010. Formation and recognition of verb tenses; speed and accuracy of translation; idioms; aural and oral comprehension; translation into French and English. Prerequisite: 1010.
- 2010. INTERMEDIATE READING IN FRENCH.** (3-3-0). Prose readings; rapid and accurate translation; vocabulary building. Prerequisite: 1010, 1020.
- 2020. INTERMEDIATE CONVERSATIONAL FRENCH.** (3-3-0). Concentrated practice of oral skills. Prerequisite: 2010.

GEOGRAPHY (GEOG)

For Undergraduates Only

- 1010. WORLD REGIONAL GEOGRAPHY-THE DEVELOPED WORLD.** (3-3-0). A comprehensive examination of Europe, Russia, North America, East Asia, and Australia/New Zealand utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
- 1020. WORLD REGIONAL GEOGRAPHY-THE DEVELOPING WORLD.** (3-3-0). A comprehensive examination of Middle and South America, Africa, Southwest Asia, South Asia, and Southeast Asia utilizing the geographic perspective to understand the special combination of cultural, organizational and environmental properties of each region and how these qualities are imprinted on the landscape.
- 2010. PHYSICAL GEOGRAPHY.** (3-3-0). Introduction to an investigation of the locational aspects of natural earth phenomena (i.e., phenomena not produced or primarily controlled by humans) including earth-sun relations, weather and climate, surface features (landforms and water bodies), natural vegetation, soils, and ecosystems.

- 2020. CULTURAL GEOGRAPHY.** (3-3-0). An examination of the historical development, visual character, representation and continuing evolution of the diverse cultural landscapes and behavioral patterns of the world. Special attention is paid to the relationship between those landscapes and the people who have created them. These relationships are viewed within a variety of frameworks such as cultural regions, cultural elements and diffusion, population movement and migration, and the spatial patterns of language, religion, and social problems.
- 2030. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components of a GIS, data availability and format, data models, map projections, georeferencing, and image classification.
- 2031. INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-3). Laboratory to accompany Introduction to Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: Enrollment in 2030.
- 3030. GEOGRAPHY OF AFRICA.** (3-3-0). A regional survey of Africa's unique physical geography as well as the diverse cultural landscapes of the continent. The continent's complex political, social, economic, and historical geography are explored. The continent is examined particularly with regard to its important status in the global economy and in relation to the many problems that shadow the African world. Prerequisite: 1010 or 1020 or consent of instructor.
- 3050. GEOGRAPHY OF NORTH AMERICA.** (3-3-0). A regional survey of North America. The course emphasizes not only the physical environment, but also the historical, cultural, economic, and political evolution of the region. Prerequisite: 1010 or 1020 or consent of instructor.
- 3060. GEOGRAPHY OF EUROPE.** (3-3-0). A regional survey of Europe's natural and cultural landscapes, with special attention to recent political, economic, and social changes. The region is examined not only with respect to internal dynamics, but also to its position in international relations. Prerequisite: 1010 or 1020 or consent of instructor.
- 3080. GEOGRAPHY OF LATIN AMERICA.** (3-3-0). A regional survey of Latin America's diverse natural and physical environment as well as the region's complex political, economic, and historical geography. The region is examined particularly with regards to its important status in relation to the United States and the global economy. Prerequisite: 1010 or 1020 or consent of instructor.
- 3100. ECONOMIC GEOGRAPHY.** (3-3-0). An examination of the basic principles of economic geography, including location, characteristics, relationships of primary, secondary, and tertiary economic activity; measurements and theories of location of economic endeavor, and issues of globalization.
- 4010. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS.** (3-3-0). Fundamental principles of Geographic Information Systems (GIS), including components and applications of GIS technology, data availability and format, data models, spatial analysis, map projections, and georeferencing. Corequisite: 4011.
- 4011. ADVANCED GEOGRAPHIC INFORMATION SYSTEMS LABORATORY.** (1-0-1). Laboratory to accompany Advanced Geographic Information Systems. Computer exercises on various topics in GIS. Corequisite: 4010.
- 4060. FIELD METHODS IN CULTURAL GEOGRAPHY.** (3-3-0). Application of field techniques in cultural geography; observation, tabulation, and analysis of landscape data in written reports and maps. Prerequisite: 2020.
- 4070. THE SOUTHERN UNITED STATES.** (3-3-0). The natural environment, resources, settlement, land use, industrial development, and regional organization of the American South. Prerequisite: 1010 or 1020 or permission of the instructor.

- 4100. INTERPRETING CULTURAL LANDSCAPES.** (3-3-0). This course provides the student with an intensive exploration of the interrelated concepts of culture and landscape with a particular emphasis on how these concepts pertain to historic preservation and heritage resources. Urban landscapes that will be considered include but are not limited to courthouse squares, monuments, waterfronts, commercial areas, and industrial zones; rural landscapes include plantations, small farms, country stores, crossroad hamlets, and environmentally sensitive areas such as forests and wetlands. Prerequisites: 1010 or 1020 or 2020.

GEOLOGY (GEOL)

For Undergraduates Only

- 1030. PHYSICAL GEOLOGY.** (3-3-0). Nature and structure of materials of the earth; processes which shaped or are shaping the earth. Prerequisite: Registration in or credit for 1031. (Students may not receive credit for both Geology 1030 and Science 2030.)
- 1031. PHYSICAL GEOLOGY LABORATORY.** (1-0-3). Rocks and rock-forming minerals; topographic maps, aerial photographs, and geologic structures. Prerequisite: Registration in or credit for 1030.
- 1040. HISTORICAL GEOLOGY.** (3-3-0). Origin and geological history of the earth and development of its animal and plant inhabitants revealed in rocks and fossils. Prerequisites: Registration in or credit for 1041, 1030-1031.
- 1041. HISTORICAL GEOLOGY LABORATORY.** (1-0-3). Identification and morphology of common fossils; geologic maps, folios, and structure sections. Prerequisite: Registration in or credit for 1040.

For Graduates Only

- 5000. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS.** (3 to 4-0-0). Earth in the solar system; nature of materials composing the earth; processes which have shaped and are shaping the earth; rocks, minerals, soils, fossils; topographic features and their origin; origin and economic significance of rock structures; origin and geological history of the earth; evolution of animals and plants; topographic and geological maps and aerial photographs. Prerequisite: Registration in or credit for 5001.
- 5001. PRINCIPLES OF GEOLOGY FOR SCIENCE TEACHERS LABORATORY.** (1 to 2-0-0). Prerequisite: Registration in or credit for 5000.

HEALTH EDUCATION (HED)

For Undergraduates Only

- 1010. FIRST AID AND CPR.** (2-0-2). First aid measures for injuries and sudden illnesses; general safety education, accident causes and remedial action. CPR certification is available for students completing requirements.
- 1090. PERSONAL AND COMMUNITY HEALTH.** (3-3-0). Basic health information for intelligent self-decisions regarding healthy behaviors; physiological and psychological effects of substances such as drugs, tobacco smoking, and alcohol; sexuality and other critical personal issues; psychosocial and environmental aspects of community health.
- 2000. INTRODUCTION TO HEALTH EDUCATION.** (3-3-0). Overview of health education with emphasis on health behavior and delivery of health education in school, community, and corporate settings; exploration of career opportunities and basics of program development. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in the MATH sequence) with a grade of "C" or higher.

- 2010. BASIC ATHLETIC TRAINING.** (3-3-0). Prevention and rehabilitation of athletic injuries; conditioning; bandaging and taping; diet; massage; use of hydrotherapy and cryotherapy and other modalities in the treatment of injuries. Prerequisite: 1010.
- 2030. PRACTICUM IN ATHLETIC TRAINING.** (2-0-10). Practical experience in NSU Athletic Training room; set-up of equipment, materials and supplies; first aid, taping and bandaging, and rehabilitation of athletic injuries. Prerequisite: 2010.
- 3000. COMMUNITY HEALTH PROMOTION.** (3-3-0). The study of the structure and function of community health. Discussion of critical health problems of public concern, fundamentals of epidemiology, community health planning, and identification and use of official and voluntary agencies and resources.
- 3010. ADVANCED ATHLETIC TRAINING.** (3-3-0). Continuation of 2010. Advanced discussion and techniques of assessment and rehabilitation; modalities and protocols for treating injuries; conditioning. Prerequisites: 2010 and 2030.
- 3110. DRIVER EDUCATION AND TRAFFIC SAFETY.** (3-2-2). Materials and methods for instruction, organization and administration of driver education; traffic problems, and safety programs. (For education majors only.)
- 3160. HEALTH EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-3-0). Materials and methods for teaching health education in elementary schools. Prerequisite: Admission to candidacy in teacher education.
- 4000. HEALTH AND EXERCISE PSYCHOLOGY.** (3-3-0). Designed to provide students employed in health and wellness settings on understanding of the psychological and sociological factors affecting healthy lifestyle choices. Particular emphasis is placed on exercise adoption and adherence. Prerequisites: Health Education 1090 and junior or senior standing.
- 4030. CLINICAL SPORTS MEDICINE.** (3-1-12). Clinical and practical experience working in NSU Athletic Training room, with orthopedic medical practice, and with registered physical therapist. Prerequisite: 3010 and consent of instructor.
- 4500. SEXUALITY EDUCATION.** (3-3-0). Variety of topics in human sexuality; reflecting and evaluating values and attitudes about sexuality education.
- 4600. DRUG AND ALCOHOL EDUCATION.** (3-3-0). Dissemination of current information related to legal and illegal drugs. Emphasis is placed on psychosocial issues associated with drug use and abuse; development of appropriate and effective instructional strategies for use by prospective and current teachers.
- 4880. METHODS AND MATERIALS OF K-12 HEALTH EDUCATION.** (3-3-0). A study of up-to-date materials, methods, and strategies for health educators. Emphasis will be placed on planning, organization and the development of curricula and evaluative methods. Prerequisite: Admission to teacher candidacy or teacher certification.
- 4940. SAFETY EDUCATION.** (3-3-0). Causes and prevention of accidents in home, school, traffic, industry, and recreational activities in the gymnasium, on the playground, and in aquatic sports; laws concerning legal liability; accident and liability insurance. Prerequisite: Junior standing.
- 4950. CURRICULUM INNOVATIONS AND INSTRUCTIONAL DEVICES IN DRIVER EDUCATION.** (4-2-4). Curriculum materials, instructional devices, and techniques including simulation, multi-media, driving range, on-street instruction, and motorcycle.
- 5020. RESEARCH IN HEALTH PROMOTION.** (3-3-0). Identification, discussion, and development of research knowledge and skills in health and human performance; use of published research and readings to design and develop a research journal model. Prerequisite: HED 5000.
- 5100. INTRODUCTION TO HEALTH PROMOTION.** (3-3-0). An introduction to the field of health promotion in the workplace, community and hospital settings. Students will review current practices in health promotion and become familiar with a variety of health issues that impact individuals and the community.
- 5200. HEALTH BEHAVIOR.** (3-3-0). Understanding the relationship between mental, emotional, and social health and behavioral change. The primary focus is on the psychological and sociological factors that affect life health choices and quality of life.
- 5250. STRATEGIES FOR HEALTH PROMOTION.** (3-3-0). Identification of health promotion strategies that focus on individuals, groups, and communities to bring about behavioral and environmental changes leading to better health; development of strategies for effective utilization of health information.
- 5300. PLANNING AND ORGANIZING HEALTH PROMOTION PROGRAMS.** (3-3-0). Health promotion techniques and programs. Emphasis is given to examination of existing program models and the review of scientific literature concerning the planning and organization of health promotion. Prerequisite: HED 5250.
- 5370. RESEARCH PROJECT IN HEALTH PROMOTION.** (3-0-0). The analysis of a topic in health promotion based on current information in the discipline. Students will select a topic in health promotion and then develop a project/paper based on an appropriate research design and format. Open only to graduate students in the Health Promotion Master of Science degree program. Prerequisites: Completion of 21 hours of coursework in the Master of Science degree program in Health Promotion, including health content courses and HED 5020. Can be taken concurrently with HED 5990.
- 5400. IMPLEMENTING AND EVALUATING HEALTH PROMOTION PROGRAMS.** (3-3-0). Marketing of health promotion programs and development of evaluation protocols. Emphasis is placed on application of concepts, review and utilization of current research literature in the field. Prerequisite: 5300.
- 5470. EVALUATION AND EXERCISE PRESCRIPTION IN HEALTH PROMOTION.** (3-3-0). Basic physiological concepts applied to exercise; exercise prescription for variety of populations; examination of policies and procedures in programming as recommended by the American College of Sports Medicine.
- 5600. EPIDEMIOLOGY.** (3-3-0). The study of the determinants, distribution, and control of health problems. Students will become familiar with epidemiological investigation and various methods to describe the health of human populations.
- 5980. THESIS.** (3 to 6-0-0).
- 5990. INTERNSHIP IN HEALTH PROMOTION.** (3-0-40). An on-site health promotion practicum in a corporate, community, hospital, or school setting that provides the student with practical experiences. Students will work under the supervision of a professional in their selected internship. Prerequisite: 18 hours of graduate degree courses including HED 5020.

HISTORY (HIST)

For Graduates Only

- 5000. STATISTICS FOR HEALTH PROMOTION.** (3-3-0). Statistical procedures applied to sport, health, and recreation research data and measurement; emphasis on concepts rather than computations; use of statistical package SPS.

For Undergraduates Only

- 1010. EARLY WORLD CIVILIZATION.** (3-3-0). Earliest cultures to 1648, contributions of the Romans and the Christian Church, feudalism and rise of national states, the Renaissance and Reformation.

- 1020. MODERN WORLD CIVILIZATION.** (3-3-0). Since 1648; mid-19th century revolution; nationalism and political reorganization; social, economic and cultural developments, commercial rivalry and colonial expansion; the system of alliances, wars and readjustments.
- 2010. HISTORY OF THE UNITED STATES.** (3-3-0). Colonial foundations; movement for independence; early years of the Republic; national growth and expansion; sectionalism and the Civil War.
- 2020. HISTORY OF THE UNITED STATES.** (3-3-0). Reconstruction; industrial expansion and related problems; imperialism; World War I and aftermath; depression and New Deal; World War II; U.S. since the war.
- 3010. BIBLICAL HISTORY.** (3-3-0). Judaism and Christianity from Semitic background to fall of the Jewish state in A.D. 70. The Old Testament era; interbiblical period and early Christianity. Modern archeological discoveries; the Old Testament as a historical document. Prerequisites: 1010 and consent of instructor.
- 3040. HISTORY OF LOUISIANA.** (3-3-0). Discovery and exploration; French and Spanish colonial administration; early American period and emergence as a Southern state with emphasis on Louisiana's role in the antebellum South, Civil War, and Reconstruction; emergence of modern Louisiana.
- 3070. THE CONTEMPORARY SOUTH.** (3-3-0). South in the Nation; individualism of the region and component parts; economic, social, and political problems since the Civil War.
- 3080. ORAL HISTORY METHODS.** (3-3-0). Introduction to all aspects of oral history process including interview technique, transcription, and editing; develops critical judgment in evaluating oral testimony. Prerequisite: Junior standing. Graduate students will do an additional paper.
- 3090. ANCIENT HISTORY.** (3-3-0). Civilization from beginnings in Egypt and Babylonia to collapse of the Roman Empire. Prerequisite: 1010.
- 3100. MEDIEVAL HISTORY.** (3-3-0). Europe from fall of the Roman Empire in the west to the Renaissance. Prerequisite: 1010.
- 3110. THE RENAISSANCE AND REFORMATION.** (3-3-0). Europe from mid-13th century through the Thirty Years' War; changing economic and political structure; intellectual and social impact of the Renaissance and the Protestant Revolt and counter Reformation. Prerequisites: 1010, 1020.
- 3120. HISTORY OF EUROPE (1648-1789).** (3-3-0). Wars of religion and the English revolutions; the age of Louis XIV; the Enlightenment. Prerequisites: 1010, 1020.
- 3140. THE AMERICAN WEST.** (3-3-0). Advancement of the Western Frontier from 1783 to 1890; Indian administration, fur trade, mining activities, and cattle industry; the West in the development of American institutions. Prerequisites: 2010, 2020.
- 3150. DISCOVERING AND INTERPRETING LOCAL HISTORY.** (3-3-0). Investigation and interpretation of the sources of local history; practical utilization. Prerequisite: Consent of instructor.
- 3170. PROBLEMS IN HISTORIC AND CULTURAL PRESERVATION.** (3-3-0). Applied research in historic and cultural preservation and interpretation. Prerequisite: Consent of instructor.
- 3220. MODERN FRANCE.** (3-3-0). The Legacy of the Great Revolution; political, social, and cultural history of France since 1815. The Bourbon Restoration, the July Monarchy, the Second Republic and Second Empire. Third, Fourth, and Fifth Republics. Prerequisite: History 1010, 1020, or consent of instructor.
- 3230. RECONSTRUCTION OF THE SOUTH (1865-1877).** (3-3-0). Inter-relationships of economic, political and social factors involved in reconstruction. Prerequisites: 2010, 2020 or consent of instructor.
- 3240. MILITARY HISTORY OF THE U.S.** (3-3-0). U.S. at war since the colonial beginnings. Inter-relationship of political, economic, social, and military factors. Evolution of U.S. armed forces as instruments of civilian authority. Theory and practice of warfare, strategy, and tactics. Prerequisites: 2010, 2020 or consent of instructor.
- 3250. THE FRENCH REVOLUTION AND NAPOLEON.** (3-3-0). Revolutionary Europe from 1789 to 1815; political, economic, social and religious developments to 1799; consolidation of the Revolution under Napoleon and the European upheaval of war. Prerequisites: 1010, 1020 or consent of instructor.
- 3300. WOMAN IN THE MODERN WORLD.** (3-3-0). The political, economic and social aspect of woman's position and influence in modern western society; woman's struggles for personal and political rights. Prerequisites: 1020, 2020 or consent of instructor.
- 3400. THE CIVIL WAR, 1861-1865.** (3-3-0). Major campaigns, battles, and leaders of the War; domestic and foreign events related to the War. Prerequisites: 2010, 2020.
- 3990. HISTORICAL METHODS.** (3-3-0). A general introduction to the nature and methods of history; the theory and practice of history with an emphasis on the latter. Prerequisites: Six hours of survey level history or consent of instructor.
- 4010. HISTORY OF MODERN CHINA.** (3-3-0). A survey of the major political, social, economic, and intellectual events and trends in the history of modern China from the 1600s to contemporary times, focusing primarily on the decline and fall of the Qing Dynasty, the influence of western ideas on China, the Chinese Civil War and its aftermath, and China's growing role in East Asia and in the world.
- 4070. SLAVERY IN THE AMERICAS.** (3-3-0). A comparative survey of slavery in the western hemisphere. This course explores the various intellectual, social, political, legal, and economic factors that led to the creation and perpetuation of slave regimes throughout North and South America and the Caribbean basin. This course also addresses the mechanisms by which those slave regimes were destroyed. Prerequisite: 2010 or 3060 or consent of instructor.
- 4080. SPECIAL PROBLEMS IN AMERICAN HISTORY.** (1 to 3-3-0). Prerequisites: Major or minor in history; senior standing; consent of instructor.
- 4090. SPECIAL PROBLEMS IN EUROPEAN HISTORY.** (3-3-0). Prerequisites: Major or minor in history; senior standing; consent of instructor.
- 4110. HISTORY OF MODERN JAPAN.** (3-3-0). A survey of the major political, social, economic, and intellectual events and trends in the history of modern Japan from the 1600s to contemporary times, focusing primarily on the rise and fall of the Tokugawa Shogunate, the Meiji Restoration and the influence of western ideas on Japan, the increase of Japan's power and influence in East Asia and World War I, the imperial period and World War II, and Japan's postwar reconstruction, economic recovery, and its role in the world. Prerequisites: 1020, junior standing, or consent of instructor.
- 4120. HISTORY OF AMERICAN FOREIGN RELATIONS.** (3-3-0). The development of the United States as a world power and its diplomatic, economic, and cultural relations with the world through such events and ideas as the American Revolution, the Napoleonic Wars, nationalism, Civil War, imperialism, colonialism, Pan-Americanism, World Wars I and II, the abandonment of isolationism, the Cold War, and crises in the Middle East. Prerequisites: 2010, 2020, junior standing, or consent of instructor.
- 4140. ANCIENT GREECE.** (3-3-0). Ancient Greek civilization from the Bronze Age through the Hellenistic Period. Prerequisite: 1010 or consent of instructor.
- 4150. ROMAN REPUBLIC AND EMPIRE.** (3-3-0). Roman civilization from its legendary beginnings through the Republic and Empire, to the 'Fall of Rome' in AD 476. Prerequisite: 1010 or consent of instructor.

- 4310. COLONIAL AMERICA (1492-1754).** (3-3-0). Discovery, exploration, and founding of the American colonies, colonial administration; development of American political and social institutions; intercolonial struggles for North America. Prerequisite: 2010.
- 4320. REVOLUTIONARY AMERICA (1754-1783).** (3-3-0). French and Indian War, the British imperial system; the Revolutionary War, its causes and results. Prerequisite: 2010.
- 4330. THE EARLY AMERICAN REPUBLIC (1783-1836).** (3-3-0). U.S. from the Revolution to 1836; the period of confederation; the constitution; political, economic, and social developments culminating in election of Jackson to the presidency. Prerequisites: 2010, 2020.
- 4340. AMERICAN EXPANSION AND SECTIONAL CONFLICT (1837-1865).** (3-3-0). U.S. in mid-19th century; territorial expansion; political, economic, and social conflicts leading to the War Between the States. Prerequisites: 2010, 2020.
- 4350. AMERICA IN TRANSITION (1877-1919).** (3-3-0). Emergence of modern industrialism; organization of farmers and laborers; the Progressive movement; neutrality; World War I and the Treaty of Versailles. Prerequisites: 2010, 2020.
- 4360. THE UNITED STATES (1919-1945).** (3-3-0). The Republican era of the 1920s, the Great Depression; the New Deal; World War II. Prerequisites: 2010, 2020.
- 4380. HISTORY OF EUROPE (1815-1870).** (3-3-0). End of the Napoleonic era; Congress of Vienna and the Congress system; revolutions of 1830 and 1848; unification of Italy and Germany. Prerequisites: 1010, 1020.
- 4390. HISTORY OF EUROPE (1870-1918).** (3-3-0). Alliances; economic and political imperialism; World War I and its origins. Prerequisites: 1010, 1020.
- 4400. EUROPE 1918-1945.** (3-3-0). A history of Europe from 1918 through World War II. The Paris Peace Conference, the Russian Revolution, and the rise of Fascism and Nazism. An examination of social, economic, and cultural developments in interwar Europe, as well as Europe's relations with the world. The causes, effects, and outcomes of World War II in Europe. Prerequisites: 1020, or consent of the instructor.
- 4420. HISTORY OF ENGLAND TO 1689.** (3-3-0). Formation of the English people and nation; early legal and constitutional development; struggle between King and Parliament; overseas expansion to the Glorious Revolution. Prerequisites: 1010, 1020 or consent of instructor.
- 4430. HISTORY OF ENGLAND SINCE 1689.** (3-3-0). Consolidation of constitutional evolution; economic, political, and social revolutions of the 18th and the 19th centuries; colonialism and emergence of the Commonwealth of Nations; British role in international affairs of the 20th century. Prerequisites: 1010, 1020 or consent of instructor.
- 4440. MODERN GERMANY.** (3-3-0). German institutions and their role in western civilization. German unification and the Second Reich; the First World War; the Weimar Republic; Hitler's Third Reich, the Holocaust, and post-World War II Germany. Prerequisites: 1010, 1020, or consent of instructor.
- 4450. THE UNITED STATES SINCE 1945.** (3-3-0). American History since World War II; Cold War; social, economic, and political development of the nation. Prerequisite: 2010, 2020.
- 4460. THE CREOLE EXPERIENCE IN AMERICAN HISTORY.** (3-3-0). Colonial interchange and adaptation beginning with the cultural convergence of Africans, American Indians, and Europeans in the Americas; how Spanish and French colonial systems allowed for this process and how they differed from the English colonial system and from each other; the Creole sociohistorical experience in the American Gulf Coast region, particularly in Louisiana, with a focus on Creolization and the development of identity in the colonial period and how it was challenged by the changes brought by Americanization in the nineteenth century; Jim Crow legislation and its impact on the Creoles of color of the state; the recent movement to recognize Louisiana's Creoles as a separate cultural group with its own history.
- 4470. EUROPE SINCE 1945.** (3-3-0). A history of Europe since World War II. The Cold War and the division of Europe. The social, economic, and cultural transformation of Western Europe. The rise and fall of the Soviet Bloc. The end of the European empires in Asia, Africa, and the Middle East. The crises of 1968, new social and political movements, economic downturn, the emergence of terrorism and Europe's political responses. The formation of the European Union, the challenge of immigration, and renewed ethnic conflicts. Prerequisites: 1020, or consent of instructor.
- 4560. THE COLD WAR: AN INTERNATIONAL HISTORY, 1945 – 1991.** (3-3-0). This course is designed to familiarize students with major themes in the political, social, and cultural history of the Cold War, 1945 – 1991, as well as to demonstrate how historical change takes place. It will also develop their skills in understanding and dealing with the plurality of scholarly opinion on these themes, and sharpen their analytical and writing skills. Prerequisites: six hours of history, Junior standing, or consent of instructor.
- 4980. SPECIAL TOPICS IN HISTORY.** (3-3-0). Prerequisite: Junior standing and/or consent of instructor.
Subtitles:
01 – The First World War
02 – Vietnam Wars, 1700-1989
03 – Film as History
04 – History of Cuba
05 – Multinational Peacekeeping
06 – Nuclear Weapons in World Affairs
- 4990. PUBLIC HISTORY INTERNSHIP.** (3-0-0). Internships at historic and cultural sites and agencies help students decide what field they want to work in, deliver training in different specialties such as interpretation and collections management, and provide opportunities to develop professional contacts. Internships take place at a variety of sites and in a range of specialties, such as museum collections management, battlefield preservation and interpretation, exhibit design, educational programming, downtown development and neighborhood preservation, and archival practices.

For Graduates Only

- 5010. HISTORIOGRAPHY.** (3-3-0). Historical literature and philosophies of the Western World; the American scene; techniques of historical writing. Prerequisites: 2010, 2020 and consent of instructor.
- 5030. SEMINAR IN DIPLOMATIC HISTORY OF THE UNITED STATES.** (3-3-0). Prerequisite: Consent of instructor.
- 5080. ORAL HISTORY METHODS.** (3-3-0). Introduction to professional oral history standards in relation to oral history ethics, project planning, researching, interviewing, typing and editing transcriptions, and processing interviews for archival donation; activities will also focus on learning how to manage large oral history projects and on developing critical judgment in evaluating oral testimony.
- 5100. AMERICAN BIOGRAPHY.** (3-3-0). Representative Americans, their personalities, principles, policies, and influence on national and world thought and progress. Prerequisites: 2010, 2020.
- 5180. SPECIAL PROBLEMS IN AMERICAN HISTORY.** (3-3-0). This course is designed to provide the opportunity for a graduate student to undertake a special project in American history, on an individual basis, under the close supervision of a member of the history faculty. The topic will be in the area of the faculty member's field of expertise. Prerequisites: Graduate student in MAHR program; consent of instructor.
- 5200. SEMINAR IN LOUISIANA HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
- 5320. SEMINAR IN EARLY AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.

5340. **SEMINAR IN MIDDLE-PERIOD AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
5350. **SEMINAR IN CIVIL WAR AND RECONSTRUCTION.** (3-3-0). Prerequisite: Consent of instructor.
5360. **SEMINAR IN RECENT AMERICAN HISTORY.** (3-3-0). Prerequisite: Consent of instructor.
5400. **CASE STUDIES IN HERITAGE RESEARCH: A MULTIDISCIPLINARY APPROACH.** (3-3-0). The application of various research approaches to the study of heritage resources. A specific historical site or area will provide the focus of the semester's investigation. Prerequisite: Graduate standing or consent of instructor.
5960. **INTERNSHIP IN CULTURAL RESOURCES MANAGEMENT/HISTORIC PRESERVATION.** (3 or 6-0-0). At least twenty hours per week working with a federal, state, local or private organization/agency in one of the following historic preservation/cultural resource management areas: archaeology, archives management, ethnohistory, ethnology, historical research. May be repeated for credit. No more than 6 hours can be applied toward a degree. Prerequisite: Must have completed a minimum of 18 graduate hours in history and/or anthropology and permission of instructor.
5980. **THESIS.** (3 to 6-0-0).

HOMELAND SECURITY (HS)

For Graduates Only

5000. **INTERNATIONAL TERRORISM, TRANS-NATIONAL ORGANIZED CRIME AND COVERT OPERATIONS.** (3-3-0). An analysis and understanding of the theories and causes of contemporary international terrorism, the association with transnational organized crime, identifying various United States interventive actions or covert operations.
5050. **HOMELAND SECURITY.** (3-3-0). A study of the interrelatedness of Homeland Security and the Public Safety sector.
5100. **VENUE AND EVENT SECURITY.** (3-3-0). A comprehensive examination and analysis of event and venue security from the varied perspectives of event stakeholders; application of principles of Homeland Security within local jurisdiction protocols; event matrix construction; and assessment of social, institutional and political implications of mass gatherings and events.
5150. **DOMESTIC TERRORISM PREVENTION AND ANALYSIS.** (3-3-0). An examination of extant domestic terror groups and the collaborative prevention, mitigation, and management of their criminal activities.
5200. **RESEARCH DESIGN AND METHODS IN HOMELAND SECURITY.** (3-3-0). A study of scientific social inquiry through research design, combining qualitative and quantitative research methods and also emphasize the importance of policy analysis and program evaluation. This course is designed to provide a thesis orientation, will encourage students to do substantial reading and consideration of thesis topics, development of the research question or hypothesis, and which methods the student will use to answer the question. Students may also consider possible thesis advisors and will be encouraged to test and discuss their ideas in this pre-thesis course.
5300. **CONSTITUTIONAL ISSUES AND GLOBAL SECURITY.** (3-3-0). An analysis of court decisions that interpret Constitutional conduct relative to Global Security.
5350. **EXECUTIVE LEADERSHIP, DIPLOMACY, AND ETHICS IN HOMELAND SECURITY.** (3-3-0). An intensive study of administrative leadership theory and decision-making through an understanding of moral behavior, diplomatic and ethical competencies.
5400. **NETWORK SECURITY AND CYBERTERRORISM.** (3-3-0). The globalization of digital communications has led to an international complacency regarding network security. This global medium has brought criminal predators and cyber

terrorists directly into our homes, businesses, critical government infrastructures and significant top secret network security systems. This course investigates contemporary issues and threats to network security and state-of-the-art counter-measures available to the criminal investigation community.

5500. **COUNTER-TERRORISM, INTELLIGENCE ANALYSIS, AND ADVANCED CRIMINAL INVESTIGATIONS.** (3-3-0). This course is strongly influenced by the 9/11 Commission's counter-terrorism response related to offense, defense, and ideology and will emphasize investigative, law enforcement, and intelligence theories, issues, problems, failures, and successes relative to global security, the war on international and domestic terrorism, and homeland security.
5550. **ADVANCED CYBERFORENSICS AND CYBER-WARFARE ISSUES.** (3-3-0). This course provides an intense examination and analysis of advanced critical issues of computer crime and the strong potential for global attacks and criminal subterfuge regarding political terrorism and industrial espionage. Emphasis will be placed on such advanced computer forensic science capabilities as target hardening and software, tools for data duplication, recovery, and analysis, and development of pre-search or on-scene computer investigative techniques. Applications of First and Fourth Amendment issues will also be discussed.
5600. **MANAGING CHAOTIC ORGANIZATIONS.** (3-3-0). This course will involve leading complex, chaotic organizations and the study of proactive management for incidents of international and domestic terrorism. It will analyze a multitude of transnational issues that have global implications and world-wide impact. The class will provide state-of-the-art theoretical perspectives and methods of analysis for the managerial and administrative tools required to deal with emerging threats to international security.
5650. **INTERNATIONAL SECURITY AND GLOBALIZATION.** (3-3-0). Technological changes have made it possible to create a world that is increasingly interconnected and aware. This phenomenon has had a multitude of effects on the ideas of sovereignty, national, state borders, and security. This class will explore these effects and the changing role of state and non-state actors in global security.
5700. **PEACE STUDIES, CONFLICT TRANSFORMATION, AND GLOBAL SECURITY.** (3-3-0). Global security, international and domestic terrorism, genocide, ethno-political conflict, and inordinate human rights concerns are worldwide problems and trends that are mandating creative problem-solving and peaceful negotiations. This course examines intractable global conflicts and the application of strong, proactive security policies, participatory international negotiation, peacemaking and peace building efforts to reach a more stable world order.
5720. **TERRORISM AND COUNTER-TERRORISM IN THE 19TH AND 20TH CENTURIES.** (4-4-0). The theoretical justification for and the history of terrorism and the attempts to control it during the 19th and 20th centuries.
5750. **HOMELAND SECURITY POLICY SEMINAR.** (3-3-0). This course is designed to develop an advanced understanding of the nature and scope, causes and consequences of national homeland security issues and the critical thinking and strategic development of effective policies to deal with international terrorism and Counterterrorism.
5800. **SPECIAL PROBLEMS OR READINGS IN HOMELAND SECURITY.** (3-3-0). This class involves directed individual study of a problem related to Homeland Security, resulting in a substantial position paper or project presented to the faculty or overseeing professor. In addition, this course may be utilized to allow either extant faculty or distinguished visiting faculty the opportunity to conduct advanced teaching or seminars that may be the result of new research or evolving topics related to what the 9/11 Commission called the ideological "Battle of Ideas."

- 5850. TRANSFORMATIONAL LEARNING PROJECT, PRACTICUM, OR TEACHING EXPERIENCE IN HOMELAND SECURITY.** (3-3-0). The design, intent, and goal of this course is the achievement of transformational, reflective and experiential learning. It will provide the opportunity for graduate students in Homeland Security to select a project, teach a class, or participate at an internship site, as recommended by the HS faculty to the Graduate Administrator of HS studies.
- 5900. GRADUATE SEMINAR FOR THESIS RESEARCH AND WRITING METHODS IN HOMELAND SECURITY.** (3-3-0). This course is designed to assist graduate candidates with the completion of their thesis or paper-in-lieu-of-thesis project. Students should enter this course with clear research questions or hypotheses, an explanation of why their proposed research is salient, and how they intend to answer their research question.

HOSPITALITY MANAGEMENT AND TOURISM (HMT)

For Undergraduates Only

- 1000. SURVEY OF HOSPITALITY AND TOURISM.** (3-3-0). An introduction to the structure, operation, operating realities and main characteristics and constraints of hospitality services.
- 2000. COMPUTER APPLICATIONS.** (3-3-0). Application of computer technology in the hospitality management and tourism industry, introduction to software packages available in the field.
- 2050. THE TRAVEL AGENCY.** (3-3-0). An examination of the service and functions of retail and wholesale travel agencies. Prerequisite: 1000 or consent of instructor.
- 2150. TRAVEL AND TOURISM.** (3-3-0). A focus on significant concepts, terminology, demographics, and trends and issues involved with the in-depth study of destination management.
- 2220. RECREATION AND ECOTOURISM.** (3-3-0). A study of the recreation industry, its interrelationship with preservation of natural resources and its implications for the ecotourism industry.
- 3000. LODGING MANAGEMENT.** (3-3-0). A systematic approach to lodging operations by detailing the flow of business through a lodging property, from the reservations process to check-out and settlement. Attention is given to the planning and evaluation of rooms division management and to human resources management. Prerequisite: 1000 or consent of instructor.
- 3020. FOOD AND BEVERAGE MANAGEMENT.** (3-3-0). Provides a basis for understanding the various challenges and responsibilities involved in managing a food and beverage operation. Focuses on guest expectations and gives an excellent overview of the food service industry, including automation, the nutrition concerns of today's guests, menu management, marketing, sanitation, and financial management. Prerequisite: Sophomore standing or consent of instructor.
- 3080. INSTITUTIONAL ORGANIZATION AND MANAGEMENT.** (3-3-0). Principles applied to institutional administration; personnel management and business organization; accounting principles applied to school cafeterias, residence halls, and commercial food-service units. Prerequisite: Junior standing or consent of instructor.
- 3130. STUDY TOUR PREPARATION.** (1-1-0). This course is designed as a prerequisite to HMT 3150 and HMT 4260. Group discussions of itineraries, travel arrangements, financial obligations, historical backgrounds of destinations and logistics associated with study tours and travel abroad.
- 3140. GLOBAL TOURISM.** (3-3-0). Focus on the economic, social, political, and environmental consideration of global travel. Destination development and key tourism issues will be explored.

- 3150. INTERNATIONAL STUDY TOUR.** (3-3-0). This course is a travel study, which is designed to acquaint the student with what it is like to be a tourist. Students will learn about major tourist attractions in Europe, economic development of tourism in the new European Union, differences in hospitality and tourism operations with their U.S. counterparts. Expenses incurred to be paid by participant. Prerequisite: HMT 3130 or consent of instructor. Course may not be taken in the same Spring of graduation. Students must contact instructor prior to enrolling in this course.
- 4100. PROPERTY AND EQUIPMENT MANAGEMENT.** (3-3-0). Considers the engineering and maintenance needs of the hospitality/tourism industry, special emphasis on building environment and rehabilitation, mechanical and electrical equipment, utilities, and energy conservation management.
- 4110. SPECIAL PROBLEMS IN HOSPITALITY MANAGEMENT AND TOURISM.** (1 to 3-3-3). Individual and class study of specialized problems; for advanced students who are interested in and have a need for work in a particular area of Hospitality Management and Tourism.
- 4150. LEGAL ASPECTS OF HOSPITALITY/TOURISM MANAGEMENT.** (3-3-0). Laws and regulations in the hospitality industry and special emphasis on preventive legal management. Prerequisite: 1000 or consent of instructor.
- 4200. MARKETING HOSPITALITY MANAGEMENT AND TOURISM.** (3-3-0). Application of marketing principles to the hospitality/tourism industry. Plan and design a marketing strategy in an area of the field. Prerequisite: 1000 or consent of instructor.
- 4250. ENTERTAINMENT MANAGEMENT.** (3-3-0). A study of entertainment's relationship to the hospitality/tourism management of tourist resorts, practices and problems associated with the entertainment industry including staffing, security and control.
- 4260. CULTURAL ECOTOURISM STUDY ABROAD.** (3-3-0). This course is a study abroad, which is designed to acquaint the student with what it is like to live in a foreign country. Students will learn first hand about the host country's culture, tradition, history, language, cuisine and major ecotourist attractions. Expenses incurred to be paid by the participant. Students are responsible for their own costs. All students taking the course must purchase student insurance. Prerequisite: HMT 3130 or consent of instructor. Students must contact instructor prior to enrolling in this course.

HUMAN PERFORMANCE (HP)

Activity Courses

The following are academic courses in all Health and Exercise Science (377) curriculum; to be considered extra-curricular courses in all other curricula.

Limit repeats of Human Performance activity classes to one when the student has passed it the first time.

- 1120. BEGINNERS SWIMMING.** (2-0-3).
- 1130. BOWLING.** (2-0-3).
- 1180. GOLF.** (2-0-3).
- 1290. RACQUETBALL.** (2-0-3).
- 1330. SKIN AND SCUBA DIVING.** (2-0-3).
- 1370. TENNIS.** (2-0-3).
- 1510. VOLLEYBALL.** (2-0-3).
- 1550. WEIGHT TRAINING.** (2-0-3).
- 1580. FITNESS FOR LIFE.** (2-0-3).
- 1590. ADVANCED SCUBA DIVING.** (2-0-3).
- 1600. INTERMEDIATE SWIMMING.** (2-0-3).
- 1640. BEGINNING WATER EXERCISE.** (2-0-3).
- 1660. BEGINNING AEROBIC EXERCISE.** (2-0-3).
- 1670. INTERMEDIATE AEROBIC EXERCISE.** (2-0-3).

- 1110. PERSONAL FITNESS – LIFETIME SPORTS.** (2-2-1). Taking control of personal health and lifestyle habits; implementing a physical fitness program; attention given to cardiorespiratory endurance, muscle strength and endurance, body composition, flexibility, nutrition and weight control.
- 1620. PERSONAL SELF-DEFENSE.** (2-0-3). Beginning level self defense; offensive and defensive maneuvers; physiological components of martial arts training.
- 1630. BEGINNING KARATE.** (2-0-3). Instruction and practice in the basic techniques of Okinawan Karate and self-defense. Introduction of warm up exercises, stances, blocks, strikes, kicks, one step sparring, body hardening, formal exercises (kata) and various street oriented self-defense techniques. The course will also cover history, customs, and formalities as taught in Okinawa.
- 2000. INTRODUCTION TO HEALTH AND EXERCISE SCIENCE.** (3-3-0). Theories and practices related to the management of health and exercise programs in community and corporate settings. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in MATH sequence) with a grade of "C" or higher.
- 2010. FOUNDATIONS OF PHYSICAL EDUCATION.** (3-3-0). Introduction to the discipline and profession of physical education and sport; historical developments, philosophical views, issues and challenges confronting the profession; career roles for entering professional fields of physical education, sport, fitness. Prerequisite: Completion of ENGL 1010 and MATH 1020 (or first course in MATH sequence) with a grade of "C" or higher.
- 2070. WATER SAFETY INSTRUCTOR.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety; American Red Cross system of aquatic instruction; Red Cross WSI certification to qualified students. Corequisite: 3190.
- 2080. LIFEGUARDING.** (2-1-2). Knowledge, skills, rescue techniques, conditioning, preventive lifeguarding; Red Cross certification as non-surf lifeguard to qualified students. Prerequisite: Student must pass a basic swimming skills test on the first day of class to remain in the course.
- 2110. BASIC MOVEMENT AND RHYTHMICAL ACTIVITIES.** (2-1-2). Rhythmical activities appropriate for use in a school/community setting; teaching techniques in skill progression, lesson planning, class organization, and student evaluation. Designed primarily for Health and Human Performance majors.
- 2170. TECHNIQUES OF AQUATICS.** (2-1-2). Knowledge, skills, and techniques of teaching aquatic skills and safety. Prerequisite: Students must pass a basic swimming skills test on the first day of class to remain in the course.
- 2230. RECREATIONAL AND INNOVATIVE ACTIVITIES.** (2-1-2). Knowledge and skill development in a variety of recreational and nontraditional activities for use in school and community settings; teaching techniques applied to the activities presented. Designed primarily for Health and Human Performance majors.
- 2240. INDIVIDUAL AND DUAL SPORTS.** (2-1-2). Knowledge and skill development in variety of individual and dual sports for use in school and community settings; teaching techniques applied to the activities presented. Designed primarily for Physical Education majors.
- 2270. PHYSICAL FITNESS.** (2-1-2). Knowledge and skill development in a variety of physical fitness activities; teaching techniques for developing both health-related and skill-related components of fitness. Prerequisite: HES and HPE majors only.
- 2280. TEAM SPORTS.** (2-1-2). Knowledge and skill development in a variety of team sports that can be used in school and community settings. Teaching techniques are applied to the team activities presented. Designed primarily for physical education majors.

- 2400. FACILITATION OF CHALLENGE COURSE ACTIVITIES.** (2-1-2). Certification upon completion. Technical skills; course maintenance; practical experience in low elements, initiatives, high elements, facilitating groups, belaying, and managing simultaneous activities on the course.
- 2630. MOTOR LEARNING AND DEVELOPMENT.** (3-3-0). Survey of changes in motor behavior over the lifespan, processes that underlie these changes, and factors affecting them; principles associated with learning and performing motor skills. Prerequisite: Biology 2220 or 2250.
- 2670. INTRODUCTION TO GROUP FITNESS INSTRUCTION.** (2-3-0). Introduces concepts in basic exercise physiology, anatomy and kinesiology, nutrition and weight control, injury prevention, music selection, participant health screening, choreography and teaching exercise techniques. Designed to prepare students for national certification as a group aerobic/fitness instructor. Prerequisite: Permission of the instructor.
- 2680. PRACTICUM IN GROUP FITNESS INSTRUCTION.** (2-1-2). Designed to give the student practical experience in teaching a variety of class formats for group fitness participants and experience with fitness testing procedures; application and review of material from 2670.
- 3010. TRACK AND FIELD COACHING METHODS.** (2-1-2). Form used in various track and field events; placement of participants in events; organizing and conducting meets; other coaching problems. Prerequisite: Junior, senior classification.
- 3020. BASEBALL COACHING METHODS.** (2-1-2). Coaching problems; team strategy, managerial problems, psychology of coaching, and methods of teaching skills and techniques. Prerequisite: Junior, senior classification.
- 3050. SOFTBALL AND VOLLEYBALL COACHING METHODS.** (2-1-2). Coaching problems: team strategy, managerial problems, psychology of coaching, methods of teaching skills and techniques. Prerequisite: Junior, senior classification.
- 3120. HEALTH AND PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (3-3-0). This course introduces prospective elementary education teachers to concepts and principles of health education including identification of common health issues of children, curriculum development, and teaching-learning strategies. Additionally, the need for quality physical education instruction is examined and developmentally appropriate physical activities are practiced. Instructional processes of planning, management, and evaluation are included. Prerequisite: Admission to candidacy in teacher education.
- 3170. PHYSICAL EDUCATION FOR ELEMENTARY CLASSROOM TEACHERS.** (2-1-2). Examines the need for quality physical education instruction for elementary school children; attention given to program development and implementation of developmentally appropriate physical education activities. Prerequisite: Admission to candidacy in teacher education.
- 3190. TEACHING APPRENTICESHIP IN HEALTH AND PHYSICAL EDUCATION.** (1-0-2). For student assistants in skills techniques or first aid classes; planning, equipment and facility set-up, teaching and evaluating performance; under supervision of university instructor. Prerequisite: Consent of HPER Department Head.
Subtitles:
01-aquatics
02-individual sports
03-team sports
04-fitness/lifetime sports
05-first aid/CPR
- 3200. PRACTICUM IN COACHING.** (2-0-2). Supervised field based experience in area of coaching/sport studies interest. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula. May be repeated one time. Prerequisite: Junior/senior classification, and must be enrolled as a full-time student.

- 3250. STUDENT TEACHING/COACHING PRACTICUM.** (3-0-3). Supervised field based experience in area of coaching/sport studies interest while concurrently enrolled in student teaching. Open only to Health and Physical Education teaching majors and to students in teacher certification curricula.
- 3550. APPLIED KINESIOLOGY.** (3-3-0). Basic scientific information needed for understanding human motion; concepts of motion practically applied to everyday motor tasks and sport skills. Prerequisites: Biology 2220-2221 or 2250-2251; HP 2270.
- 3560. PHYSIOLOGY OF EXERCISE.** (3-3-0). Study of the physiological effects of exercise on the body; essential concepts and materials to assist the student in ensuring safe and sensible conduct of physical education, athletic, and/or physical fitness programs. Prerequisites: BIOL 2220-2221 and 2230-2231; or BIOL 2250-2251 and 2260-2261; HP 2270; and junior/senior classification. Corequisite: HP 3561.
- 3561. PHYSIOLOGY OF EXERCISE LABORATORY.** (1-0-2). Laboratory experiences in complement phenomena discussed in the lecture and text; testing the truth of classroom presentations, textbook readings, and theories; providing experience in the use of laboratory instruments. Prerequisites: BIOL 2220-2221 and 2230-2231; or BIOL 2250-2251 and 2260-2261; HP 2270; and junior/senior classification. Corequisite: HP 3560.
- 4000. INTRODUCTION TO ADAPTED PHYSICAL EDUCATION.** (3-3-0). This course provides both undergraduate students and graduate students in physical education with a basic knowledge of adapting the physical education curriculum to meet the individual needs of the students with motor developmental delays, other health impairments, and/or behavioral and emotional disorders. Prerequisite: Junior, senior standing, or graduate student.
- 4010. SECONDARY SCHOOL TEACHING METHODS IN PHYSICAL EDUCATION.** (3-3-2). Application of secondary physical education to the teaching process; emphasis on effective teaching strategies, classroom management, instructional clarity, observation and participation in a 30 hour field-based practicum. Prerequisite: Admission to candidacy in Teacher Education. Completion of EPSY 3010 with a grade of C or higher.
- 4060. BASKETBALL COACHING METHODS.** (2-1-2). Styles of individual and team offense and defense; methods for teaching these skills; analysis of problems of coaching basketball. Prerequisite: Junior, senior classification.
- 4160. FOOTBALL COACHING METHODS.** (2-1-2). Styles of offense and defense; fundamental team play; running, kicking, and passing games; offensive and defensive strategy; coaching problems. Prerequisite: Junior, senior classification.
- 4170. TESTING, EVALUATION, AND PRESCRIPTION OF EXERCISE IN HEALTH AND HUMAN PERFORMANCE.** (3-3-0). Practical application of the theory of exercise science aimed at adult populations in order to provide the student with sufficient knowledge to develop and prescribe appropriate exercise programs, and to assess individual levels of fitness. This course presents and puts into practice various tests and measurement techniques with emphasis on those techniques associated with the assessment of kinesiological and physiological parameters. It is both lecture and lab, with the laboratory sessions designed to practice test administration, scoring procedures, data analysis, and grading techniques. Prerequisite: HP 3560, 3561 and junior-senior classification.
- 4180. PRE-INTERNSHIP SEMINAR.** (2-2-0). Internship selection process, including agency selection, management skills, resume writing, letters of application, interview techniques. Prerequisite: Must be taken semester immediately prior to internship semester (HP 4200 and 4230). Permission of department required.
- 4200. INTERNSHIP IN HEALTH AND EXERCISE SCIENCE.** (12-0-0). Designed to give the student practical experience in health and exercise science programs; including daily participation in all aspects of the internship assignment; 500 clock hours required. Prerequisite 4170 and 4180; permission of department head.
- 4210. BEHAVIORAL AND EDUCATIONAL DISABILITIES AND PHYSICAL EDUCATION.** (3-3-0). Physical education activities for the mentally disabled, emotionally disturbed, and learning disabled. Field experience required. Prerequisite: 4000 or permission of instructor.
- 4220. FITNESS PROGRAMMING FOR INDIVIDUALS WITH CHRONIC DISABILITIES.** (3-3-0). Designing developmentally appropriate fitness activities for those with neurological, orthopedic, and sensory disabilities. Field experience required. Prerequisite: 4000 or permission of instructor.
- 4230. RESEARCH TOPICS IN HEALTH AND EXERCISE SCIENCE.** (3-0-0). An independent study allowing the student to conduct research in the area of health and exercise science. May be a special project or formal research paper. Prerequisite: permission of department head.
- 4240. PHYSICAL EDUCATION CURRICULUM FOR SPECIAL POPULATIONS.** (3-3-0). Curriculum development in physical education for all disabled individuals, including needs assessments, implementation, and evaluation. Prerequisite: 4000, 4210, and 4220, or permission of instructor.
- 4300. RECREATIONAL SPORTS MANAGEMENT AND PROGRAMMING.** (3-3-0). Examination of theoretical foundations basic sport and family recreation programming skills and competencies, methods, and administrative/management/organizational techniques to deliver recreational programs within a variety of settings. Prerequisite: Second semester Junior or Senior classification.
- 4360. PSYCHOLOGY OF HUMAN MOVEMENT.** (3-3-0). Psychological factors that affect human movement and sport performance. Emphasis is on understanding psychological constructs related to performance and the development of psychological skills training programs. Prerequisite: Psychology 1010, or Educational Psychology 3000, or consent of instructor.
- 4500. FOUNDATIONS OF PHYSICAL EDUCATION.** (3-3-0). Facts pertaining to the physical, psychological, and social development of the individual; principles related to the role of physical education in present-day America; history of physical education. Prerequisite: Senior standing.
- 4660. SCIENTIFIC PRINCIPLES OF STRENGTH AND CONDITIONING.** (3-3-0). This 3-credit undergraduate level course is designed to provide a comprehensive overview of strength and conditioning of athletes. Emphasis is placed on the exercise sciences (including anatomy, exercise physiology, and biomechanics) and nutrition, exercise technique, program design, organization and administration, and testing and evaluation. Additionally, this course is designed to prepare students for the nationally accredited Certified Strength and Conditioning Specialist (CSCS) certification exam.
- 4960. METHODS OF TEACHING ELEMENTARY/MIDDLE SCHOOL PHYSICAL EDUCATION.** (3-1-2). Teaching methodologies and materials utilized in elementary and middle school physical education; emphasis is directed toward observation, participation, and discussion of instructional practices. Prerequisite: Admission to candidacy in teacher education.

For Graduates Only

- 5000. STATISTICS FOR SPORT ADMINISTRATION.** (3-3-0). Statistical procedures applied to sport, health, and recreation research data and measurement; emphasis on concepts rather than computations; use of the SPS statistical package.

- 5020. RESEARCH IN SPORT ADMINISTRATION.** (3-3-0). Identification, discussion, and development of research knowledge and skills in sport administration; use of published research and readings to design and develop a research journal model. Prerequisite: HP 5000.
- 5120. SPORTS MARKETING AND PROMOTION.** (3-3-0). Application of marketing principles, marketing management, and services marketing in a sports, health, and leisure activities context. Emphasis will be placed on the development skills as they relate to the management of sports and health related activities program.
- 5130. GOVERNING AGENCIES AND ETHICAL PRINCIPLES.** (3-3-0). An in-depth study of various governing agencies related to the administration and control of athletic competition; course provides information relative to the ethical principles, codes of conduct and official issues confronting personnel concerned with athletic competition.
- 5140. FACILITY DESIGN, EQUIPMENT, AND FACILITY/ EVENT MANAGEMENT.** (3-3-0). Planning and administration of sport facilities; including purchase, care and inventory of equipment. Course will examine fundamental concepts, theories, principles and procedures related to sport facility management, design and sports equipment.
- 5150. SOCIOLOGY OF SPORT.** (3-3-0). Survey of concepts and concerns of sociological issues occurring during sport, health, or leisure programs.
- 5160. LEGAL ISSUES IN SPORT AND PHYSICAL EDUCATION.** (3-3-0). An in-depth study and analysis of legal concepts and their application to sports and physical education.
- 5190. HUMAN RESOURCE MANAGEMENT IN SPORTS.** (3-3-0). Application of management principles in a sports, health, and leisure activities context. Emphasis will be placed on the development of management skills and adapting them to the management of sports and health related activities and programs.
- 5220. BUDGETING AND PLANNING FOR SPORT AND LEISURE ENTERPRISES.** (3-3-0). Budgeting and planning aspects such as budget documents, budget preparation, analysis techniques, finance strategies, allocation of resources and other aspects specific to the successful operation of a sport and/or leisure enterprise.
- 5350. PROBLEMS IN PHYSICAL EDUCATION.** (3-0-0). Directed study of a selected problem (or problems) in physical education.
- 5430. TRENDS IN CURRICULUM AND INSTRUCTION.** (3-3-0). An examination of current curricular models in physical education and instructional strategies that ensure success. Curricular programs that support the national standards in physical education will be emphasized. Techniques for assessing learner progress (and the program) will be discussed.
- 5450. ADVANCED ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION.** (3-3-0). Theoretical insights and practical competencies that deal with physical education programs at the secondary school level.
- 5510. TECHNOLOGY IN SPORT SETTINGS.** (1-1-0). Advancements in technology and computer applications in daily operations and competition.
- 5520. CURRENT TOPICS IN SPORT ADMINISTRATION.** (1-1-0). Academic investigation, discussion, and impact of current issues on sport business and daily operations.
- 5530. FACILITY PLANNING AND EVENT MANAGEMENT.** (1-1-0). Planning and design of sport facilities; game/event management principles and policies.
- 5590. PRE-INTERNSHIP ORIENTATION.** (1-1-0). Internship selection process, including job search portfolio, management skills, resume writing, letters of application, interview techniques. Prerequisite: 24 hours of graduate credit in Sport Administration, including HP 5020.

- 5660. FITNESS AND TRAINING FOR HUMAN PERFORMANCE.** (3-3-0). Systematic training programs for practical application of strength, flexibility, and conditioning methods, also incorporates injury prevention and treatment techniques for physical educators. Prerequisite: Teacher certification in P.E. or consent of instructor.
- 5690. RESEARCH PROJECT.** (3-0-0). A paper or project written as partial fulfillment of non-thesis masters program. Prerequisite: 12 hours of graduate degree courses including Human Performance 5020.
- 5980. THESIS.** (3 to 6-0-0).
- 5990. INTERNSHIP IN SPORT ADMINISTRATION.** (3-0-40). Internship in a school or university, professional sports organization, sports marketing, sport medicine clinic or a similar setting approved by the department head and major professor. Prerequisite: 18 hours of graduate credit in Sport Administration including Human Performance 5020.

HUMANITIES (HUM)

For Undergraduates Only

- 4010. HEALTH AND HUMANITY.** (3-3-0). Interdisciplinary investigations of death and dying, the experience of illness, metaphors of health and disease, transcultural factors in health care, and stereotypes and health care. Prerequisite: Junior standing.
- 4020. HUMAN VALUES AND HEALTH CARE.** (3-3-0). Interdisciplinary investigations of philosophical concepts of humanhood, bioethics, historical issues of health care in America, and the holistic health movement. Prerequisite: Junior standing.

For Graduates Only

- 5010. GREAT IDEAS OF WESTERN CULTURE.** (3-3-0). Lectures and critical discussions of the foundational ideas of Western culture: God, nature, education, justice, freedom, science, democracy, truth; assignments from Plato, Machiavelli, James, Whitehead, and others. Prerequisite: 12 hours of social sciences.
- 5020. CLASSICAL AGE OF GREECE.** (3-3-0). An interdisciplinary study of Athens in the Classical Age of Greece (5th-4th centuries BCE). Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, Thucydides, Plato, and Aristotle along with examining significant monuments from the art and architectural tradition.

INDUSTRIAL ENGINEERING TECHNOLOGY (IET)

For Undergraduates Only

- 1020. ENGINEERING TOOLS AND DIMENSIONAL ANALYSIS.** (3-2-2). Principles and practices of measurement technology; use of tools; dimensional analysis; and the use of all the above in applications of technology.
- 1400. TECHNICAL DRAFTING I.** (3-2-2). Introduction to drafting, with computer-aided drafting (CAD) applications. Orthographic projection, geometric construction, sectioning, dimensioning, auxiliary views, and text. Includes display and editing techniques as well as working with drawing files.
- 1420. BLUEPRINT READING.** (3-2-2). Technical and symbolic communication used on blueprints and working drawings.
- 1700. INTRODUCTION TO ENGINEERING TECHNOLOGY.** (1-1-0). Specific information for engineering technology students about degree requirements, scholastic resources, careers in engineering technology, job opportunities, academic skills for success in engineering technology, scholarship, and preparing for the future.

1800. **OCCUPATIONAL SAFETY AND HEALTH.** (3-3-0). Principles and practices of accident prevention and safety program operation in industrial facilities and school laboratories; effective safety organization, management and supervision; teacher, administrator and management liabilities; Occupational Safety and Health Act (OSHA).
2020. **METALS MACHINING I.** (3-2-2). Machine tool technology; operator control and computer numerical control (CNC) machining, computer-aided manufacturing (CAM), and production centers. Precision measurement and layout. Survey of nontraditional machining processes. Prerequisites: 1020, 2400.
2400. **TECHNICAL DRAFTING II.** (3-2-2). Continuation of 1400, with intermediate CAD applications. Working drawings, limit dimensioning, threads and fasteners, secondary auxiliary views, descriptive geometry, assembly drawings, and production illustrations. Prerequisite: 1400.
2700. **OCCUPATIONAL FIELD EXPERIENCE I.** (1-0-0). Work experience supervised by the student's departmental coordinator in related occupational areas. May be repeated. Prerequisite: Consent of instructor and placement in related job.
2740. **ENGINEERING MATERIALS.** (3-2-2). Methods of making basic engineering materials; phase diagrams; crystalline lattice structures; material properties; methods for changing material properties. Prerequisites: 1020, Chemistry 1030, Mathematics 1810.
2790. **STATICS.** (3-3-0). Principles of statics, vector algebra and vector quantities. Resultants in coplanar force systems, equilibrium in coplanar force systems, analysis of structures, trusses, beams, chains and cables, friction, centroids and centers of gravity, moments of inertia. Prerequisite: Mathematics 1810, Physics 2030 or consent of instructor.
2830. **ADVANCED INDUSTRIAL SAFETY ENGINEERING AND MANAGEMENT.** (3-3-0). Recognition and control of occupational safety and health hazards; human relations for safety; psychological considerations; human engineering; management and supervisory leadership. Prerequisite: 1800 or consent of instructor.
2840. **DEVELOPMENT OF OCCUPATIONAL SAFETY AND HEALTH PROGRAMS.** (3-3-0). Programs for plants and systems operations; systems analysis. Comprehensive occupational safety and health programs developed by students. Prerequisite: 1800.
2920. **SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of special problems. Individual or group independent work. Prerequisite: Consent of instructor.
3150. **FLUID POWER.** (3-2-2). Compressible and incompressible fluid statics and dynamics of industrial hydraulic and pneumatic circuits and controls. Software and functional components used to design, construct, and analyze piping circuits. Prerequisites: Physics 2030-2031 and Computer Science 1030 or 1060.
3410. **ADVANCED CAD APPLICATIONS.** (3-2-2). Detail and assembly drawing; cams, gears, graphs; pipe, welding, and structural drafting; 3D and surface modeling. Prerequisite: 2400.
3460. **ARCHITECTURAL DRAFTING AND CAD.** (3-2-2). Principles and practices of home planning; procedures in residential construction; preparation of plans and specifications for a modern home using CAD software. Prerequisite: 1400.
3510. **MOTION AND TIME STUDY.** (3-3-0). Analysis of motions necessary to perform industrial operations; motion economy; development of ratings, allowances, standard data, formula construction, work sampling, wage payment and performance training. Prerequisite: Mathematics 1810.
3550. **MATERIAL HANDLING.** (3-3-0). Material handling as related to manufacturing, warehousing and distribution centers. Topics include methods of movement, storage, inventory control, and retrieval. Prerequisites: 3510 and Mathematics 1810.
3570. **ENGINEERING ECONOMICS.** (3-3-0). Principles and applications of economic analysis presented through engineering-oriented examples. Introduction and definitions of economic factors, analysis methods for evaluating alternative choices, and decision making tools for real-world situations. Prerequisites: Economics 2000, Mathematics 1810.
3700. **OCCUPATIONAL FIELD EXPERIENCE II.** (2-0-0). Work experience supervised by the student's departmental coordinator; for students who leave the campus for a full semester or summer to work full time in a major related occupational area. May be repeated. Prerequisite: Consent of instructor and placement in related job. Grade is pass/fail.
3720. **TECHNICAL WRITING.** (3-3-0). Fundamentals of technical report writing, industrial communications, preparation of materials for publication. Prerequisite: English 1020.
3730. **INDUSTRIAL TRAINING PRACTICES.** (3-3-0). Employee educational and training methods, management, and evaluation. Task analysis, job safety analysis; development of training materials; delivery methods and media. Prerequisite: Junior standing or consent of instructor.
3820. **ERGONOMIC DESIGN.** (3-3-0). Overview of the human body, its systems and how it interacts with environmental stressors; designing to fit body movements; office (computer) workstation design considerations; designing for special populations; handling loads. Prerequisite: 1800.
4020. **ADVANCED METALS MACHINING.** (3-1-4). Special practices of metals processing; CNC machining and CAD-CAM interfacing; machining systems. Prerequisite: 2020, Math 1810.
4420. **TOOL DESIGN.** (3-1-4). Design and construction of jigs and fixtures applicable to industrial production. Prerequisite: 2020, 3410, Math 1810.
4700. **MANUFACTURING FACILITIES.** (3-3-0). Study of the planning processes for facilities location and design, material handling equipment, and manpower requirements. Analysis of production line requirements, assembly line balancing, and automation. Prerequisite: Mathematics 2020, 2050.
4720. **QUALITY CONTROL.** (3-3-0). Methods and procedures employed in industrial quality control, theories of measurement, error, prediction, sampling, tests of significance and models. Prerequisite: Mathematics 1810; Math 2050 or consent of instructor.
4730. **MANUFACTURING PROCESSES.** (3-2-2). Design, economics, and control of manufacturing processes. Methods engineering, job shop and automation practices; machining and fabrication processes. Prerequisite: 2740, Math 1810.
4750. **ELEMENTS OF OCCUPATIONAL SUPERVISION.** (3-3-0). Preparation, training, and problems of the supervisor.
4790. **STRENGTH OF INDUSTRIAL MATERIALS.** (3-2-2). Internal stresses and deformation of bodies resulting from action of external forces; concepts and techniques of testing tensile, compression, shear, transverse, elasticity on various materials and fasteners. Prerequisite: IET 2790, Math 2020.
4820. **PRODUCTION AND INVENTORY CONTROL.** (3-3-0). Planning and control of production; operation analysis; routing, scheduling, dispatching; production charts and boards; inventory control; accumulation of material requirements; use of critical path techniques. Prerequisite: Junior standing or consent of instructor.
4920. **SPECIAL PROBLEMS.** (1 to 3-0-0). Selection of advanced special problems. Individual or group independent work. Prerequisite: At least twelve (12) semester hours credit in IET and/or EET courses and consent of instructor.
4950. **RESEARCH PROBLEMS.** (1 to 3-0-0). The student selects a problem in his major field and through investigation formulates an acceptable solution. Prerequisite: Upper level status and consent of instructor.
4960. **PROJECT DESIGN II.** (2-0-0). This is a capstone course for IT majors. Students will work with a professor to design a project that reflects several aspects of the student's curriculum. Independent or group work. Students will prepare a written project report and give an oral presentation. Prerequisite: EET 4940.

INTERDISCIPLINARY STUDIES (IDS)

For Undergraduates Only

- 2000. SERVICE LEARNING.** (2-2-0). Service Learning experiences within and outside the University setting. Current issues, values, and opportunities essential for relating service, volunteerism and leadership to academic study.
- 3000. FOUNDATIONS IN PROFESSIONAL STUDIES.** (3-3-0). Exploration and development of a knowledge base in the philosophy, leadership, and trends of professional studies. Forum in which students explore a relationship between prior learning gained from collegiate and non-collegiate instruction and philosophy and theories in education. Career assessment, planning and evaluation. This course lays the foundation for development of an academic portfolio that will serve as an opportunity for the student to translate knowledge and skills obtained from prior instruction into academic credit.
- 4010. INTERNSHIP.** (3 to 6-0-6 to 12). Supervised work experience in the student's area of professional interest and/or background. Focus on professional development, application of skills, development of work habits, and transition from college to career. Prerequisite: Senior standing and consent of instructor.

LIBRARY (LIB)

For Undergraduates Only

- 1030. INFORMATION SOURCES AND SERVICES.** (3-3-0). The student will learn how to identify and evaluate information from various formats, sources and services using basic and advanced searching techniques. They will gain an understanding of the cultural and social contexts in which information is produced and disseminated. Issues of ethical and legal use of information, including copyright, intellectual property, and plagiarism will be explored within the context of current trends in academic plagiarism and media piracy. This is a foundational course. No prerequisites or co-requisites are required.

LIBRARY AND INFORMATION SCIENCE (LIS)

For Undergraduates Only

- 4050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy. Prerequisite: EDUC 3140.
- 4070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators. Prerequisite: EDUC 3140.
- 4100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 4050, 4160, 4170, 4070, or consent of the instructor.

- 4160. LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program. Prerequisite: EDUC 3140.

- 4170. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature. Prerequisite: EDUC 3140.

- 4180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, and LCSH. Issues related to automation, electronic services, and technology in these areas are explored. Prerequisite: EDUC 3140.

- 4190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: EDUC 3140.

For Graduates Only

- 5020. LITERATURE AND RELATED MATERIALS FOR CHILDREN.** (3-3-0). Focuses on identifying, assessing, and using books and other media, including new electronic formats, for the intellectual, emotional, and social development of the student. Students develop competencies to address age-appropriate information literacy skills; analyze finding aids and select or develop evaluation tools; and prepare instructional materials and teaching guides addressing information literacy competencies, curriculum standards, and the integration of library information resources into a school's instructional program. Prerequisite: A valid teaching certificate; graduate status.

- 5030. LITERATURE AND RELATED MEDIA FOR THE YOUNG ADULT.** (3-3-0). A study of literature and related materials for use with the adolescent in grades 7-12. Emphasis is placed on the special characteristics and needs of young adults, analysis, and evaluation of materials for this age group, and the impact of new technologies on literature. Prerequisite: A valid teaching certificate; graduate status.

- 5050. INFORMATION, MEDIA, AND THE CURRICULUM.** (3-3-0). An introduction to basic information services provided by the School Media Center librarian. Focuses on skills related to the instructional roles of the school media librarian; integrating library and information resources, including new electronic formats, into the K-12 curriculum; and addressing issues related to information literacy. Prerequisite: A valid teaching certificate; graduate status. (Provides three hours of credit toward school library service certification under part one, elementary and/or secondary school library services.)

- 5070. ADMINISTRATION AND ORGANIZATION OF THE SCHOOL MEDIA CENTER.** (3-3-0). Current practices and issues related to managing the school media center with a focus on the instructional role of the center. Includes the philosophy, and objectives of the center, resources, personnel, communications, budgeting, and collaboration with parents, teachers, and school administrators. Prerequisites: A valid teaching certificate; graduate status.
- 5100. SUPERVISED FIELD WORK IN SCHOOL LIBRARY MEDIA.** (3 to 9-0-8 to 24). Supervised experience in an approved cooperating media center with an individualized plan designed to meet the student's professional goals, build on a student's strengths, and ensure development of competencies. Requires 120 hours of supervised professional work in an approved school media. Prerequisites: Completion of 15 credits of course work, including LIS 5050, 5020 or 5030, 5070 or consent of the instructor.
- 5180. TECHNICAL PROCESSES FOR THE SCHOOL MEDIA CENTER.** (3-3-0). Emphasizes all aspects of technical services, including acquisitions, cataloging, and serials. Introduces the theories and practice of bibliographic description and subject analysis. Covers the organization of both print and electronic information, including discussion and application of Anglo-American Cataloging Rules 2nd edition revised (AACR2R), DDC, LCC, AND LCSH. Issues related to automation, electronic services, and technology in these areas are explored. Prerequisites: A valid teaching certificate; graduate status.
- 5190. TECHNOLOGY FOR LIBRARIES AND INFORMATION SCIENCE.** (3-3-0). Introduction to modern technology and equipment for the storage, organization, and dissemination of information. Topics include: new formats and technologies, including CD-ROM, laser disk, DVD, web-based resources; online database and Internet searching; designing, producing, and organizing multimedia resources; using computers in catalog maintenance, circulation control, acquisitions, and online catalogs. Additional topics focus on planning for automation, retrospective conversion, proposal evaluation, contractual services, and systems administration. Prerequisites: A valid teaching certificate; graduate status.
- 4270. PERSONNEL MANAGEMENT.** (3-3-0). Industrial and personnel management; the case study approach, independent reading and investigation, and oral presentation. Prerequisite: MGT 3220.
- 4300. MANAGEMENT POLICY.** (3-3-0). An integrative case method course: analysis, problem solving and decision making; emphasis on application of all basic common body of knowledge courses. Prerequisites: Successful completion of Management 3220 and 3580, Marketing 3230, Finance 3090, and senior standing. A common body of knowledge course.
- 4320. ADVANCED MANAGEMENT.** (3-3-0). Selected management topics; reading, investigation, and presentation. Prerequisite: MGT 3220.
Subtitles:
01-business ethics
02-managerial decision analysis
- 4350. INTERNATIONAL COMPARATIVE MANAGEMENT.** (3-3-0). Survey of organizational forms, management methods, employment policies, and sales distribution strategies prevalent in selected foreign countries. Influence of culture and institutional environment on the evolution of management practices. Material will be drawn from history, geography, sociology, political science and economics. Prerequisites: Management 3220 and Marketing 3230.
- 4400. THE MANAGEMENT OF CHANGE.** (3-3-0). Factors relating to the accelerated rate of change and their implications for management. Technological, social, and economic changes with problems of resistance to change, executive obsolescence and predictions for the future. Prerequisite: 3220.
- 4450. PURCHASING AND SUPPLY MANAGEMENT.** (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost-price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MKTG 4450.) Prerequisite: MGT 3220, MKTG 3230.
- 4460. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning – forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MKTG 4460.) Prerequisites: MGT 3220, MKTG 3230.
- 4700. MANAGEMENT OF ELECTRONIC BUSINESS.** (3-3-0). Strategic and operational issues in the management of electronically networked and virtual business organizations. Technology enabled business models, global Internetization, opportunities and challenges of the Internet economy, planning, organizing, leadership, and control of e-business. Prerequisites: MGT 3220, MKTG 3230 and CIS 3100.

MANAGEMENT (MGT)

For Undergraduates Only

- 1020. BASIC LEADERSHIP.** (2-2-0). Application of the principles of leadership and management by objectives.
- 2500. PERSONNEL AND SUPERVISION.** (3-3-0). For practicing or potential first-line supervisors and middle-level managers. Managerial functions of planning, organizing, staffing, directing and controlling as they relate to personnel supervision.
- 3220. ORGANIZATION AND MANAGEMENT.** (3-3-0). Management processes and ethics, with focus on the management of people in organizations, their behavior, motivation, and interactions with management structure. Prerequisite: Junior standing and BUAD 2200. A common body of knowledge course.
- 3500. MANAGEMENT SCIENCE TECHNIQUES.** (3-3-0). Major statistical and quantitative techniques useful in modern management. Prerequisites: Successful completion of Accounting 2000 and Business Administration 2120 or Accounting 2000 and SSTA 3810.
- 3580. OPERATIONS MANAGEMENT.** (3-3-0). Principles of operations management applicable to manufacturing and service organizations. Topics include forecasting, product design, process planning, facilities layout and location, aggregate planning, inventory control, just-in-time manufacturing, MRP, quality control, scheduling, supply chain management, PERT/CPM, and other related topics. Prerequisite: Successful completion of Management 3220 and Business Administration 2120 or Management 3220 and SSTA 3810.

MARKETING (MKTG)

For Undergraduates Only

- 2200. SALESMANSHIP.** (3-3-0). Selling, sales techniques, sales role-playing, and characteristics of a good sales person. History of selling and the salesperson's role in our economy included to provide a deeper understanding of the contributions made by the American salesman.
- 3230. PRINCIPLES OF MARKETING.** (3-3-0). Marketing functions, channels of distribution, marketing institutions, marketing analysis, price determinants, marketing trends. Prerequisite: Junior standing, Economics 2010, Business Administration 2200, or consent of instructor.

- 3820. MARKETING PROMOTIONS.** (3-3-0). Communication problems inherent in flow of marketing information; advertising, sales promotion, sales analysis, marketing research. Prerequisite: 3230.
- 3900. SERVICES MARKETING.** (3-3-0). Developing, pricing, distributing, and promoting the service; control of quality of customer encounters through service automation and/or employee selection and training; place of marketing in service organization structure; strategic implications of structure of service industries. Prerequisite: 3230.
- 4100. MARKETING MANAGEMENT.** (3-3-0). Elements of marketing; relationship of marketing problems to policy decisions in other divisions of business organization; recent developments and oral presentation. Prerequisite: 3230.
- 4200. PERSONAL SELLING.** (3-3-0). The principles of the personal selling process, analysis of the market and the product, development and delivery of the sales presentation, and relationship building. Prerequisite: 3230.
- 4350. RETAIL MANAGEMENT PROBLEMS.** (3-3-0). Retailing functions in large and small establishments; personnel selection, training and supervision; logistics; merchandise management; relations with suppliers; management of non-merchandising functions. Prerequisite: 3230.
- 4370. CONSUMER BEHAVIOR.** (3-3-0). Behavioral theories relevant to consumer motivations and buyer behavior. Psychology, sociology, and anthropology as aids to the development of marketing policies and strategies. Prerequisite: MKTG 3230.
- 4440. MARKETING RESEARCH.** (3-3-0). The academic and applied elements of marketing research, including modeling, sampling, survey, instrument design, data collection, computer-based data analysis and data presentation. Prerequisites: Marketing 3230 and Business Administration 2120 or Marketing 3230 and SSTA 3810.
- 4450. PURCHASING AND SUPPLY MANAGEMENT.** (3-3-0). Principles of purchasing and supply management applicable to manufacturing and service organizations with an emphasis on electronic purchasing (e-purchasing). Topics include the purchasing process, organization, strategy, buyer-supplier relationships, supplier selection and management, negotiation, cost/price analysis, quality, global sourcing, inventory, transportation, public purchasing, and legal and ethical issues. (This course is the same as MGT 4450.) Prerequisite: MGT 3220, MKTG 3230.
- 4460. SUPPLY CHAIN MANAGEMENT.** (3-3-0). Principles of supply chain management applicable to manufacturing and service organizations. Topics include supply chain planning – forecasting and inventory, supplier management, physical distribution, logistics, transportation, coordination in the supply chain, the purchasing process, and e-business and the supply chain. (This course is the same as MGT 4460.) Prerequisites: MGT 3220, MKTG 3230.
- 4500. INTERACTIVE MARKETING.** (3-3-0). Theoretical and applied concepts and practices related to interactive and Internet marketing. Prerequisites: MKTG 3230 and junior standing.
- 4600. SEARCH ENGINE OPTIMIZATION AND SOCIAL MEDIA MARKETING.** (3-3-0). The course will focus on search engine optimization and social media marketing. It analyzes the tools and methodologies to achieve an optimized website: understanding web crawlers website ranking, and difference in search engines, search engine marketing and ethics in SEO. Emphasis will be placed on current practices and technologies used by SEO professionals in today's businesses as well as broad approach to the history, theory, technology, impact and strategic uses of social media. Techniques to apply and adapt basic and advanced marketing strategies to construct and critically evaluate social media in business contexts will be examined. Hands-on experience with several forms of SEO and social media will be used in real-world business cases. Prerequisites: Junior standing and MKTG 3230.

MATHEMATICS (MATH)

For Undergraduates Only

Placement in first year mathematics is based on ACT or SAT scores

- 10920. INTRODUCTION TO BASIC MATHEMATICS.** (3-3-0). Arithmetic with an introduction to elementary algebra for those who are not prepared to take a beginning course in college mathematics. Students who earn credit in this course will have three hours added to degree requirements.
- 1010. INTRODUCTION TO MATHEMATICS.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities. Prerequisite: Declared Mathematics or Mathematics Education major.
- 1020. COLLEGE ALGEBRA.** (3-3-0). A graphing treatment of the essential topics of college algebra with emphasis on functions, graphing, and applications. A graphing calculator will be required in the course. Prerequisite: A grade of C or better in Mathematics 0920. A student may be placed into this course with a sufficiently high score on mathematics portion of ACT, SAT or COMPASS exam.
- 1021. COLLEGE ALGEBRA RECITATION.** (2-2-0). Solving problems from concepts covered in Math 1020 with supplemental instruction in basic algebraic concepts. This course may not be used to satisfy requirements for any degree. Prerequisite: Placement based on ACT, SAT, or results of Mathematics Placement Exam. Corequisite: 1020.
- 1035. CONTEMPORARY MATHEMATICS.** (3-3-0). An introduction to topics in contemporary mathematics. Topics may include problem solving and reasoning, set theory and Venn diagrams, perspective and symmetry in art, formal Aristotelian logic, graph theory, elementary number theory, optimization, numeracy in the real world, geometry, and apportionment and voting methods. Prerequisite: A grade of C or better in MATH 0920. A student may be placed in this course with a sufficiently high score on the mathematics portion of the ACT, SAT, or COMPASS exam.
- 1060. FINITE MATHEMATICS.** (3-3-0). Systems of linear equations, vectors, matrices, and matrix algebra; linear inequalities; counting techniques: permutations and combinations; probability; basic concepts in mathematics finance (annuities included); and an introduction to statistics. Prerequisite: 1020 or 1035.
- 1090. TRIGONOMETRY.** (3-3-0). Trigonometric functions; relations between functions; solution of triangles with applications to practical problems; trigonometric formulas and identities; radian measure; graphic representation of trigonometric functions; inverse trigonometric functions, trigonometric equation. Prerequisite: Registration in or credit for 1020 or consent of department head. Credit not allowed in 1100 and 1020-1090.
- 1100. PRECALCULUS MATHEMATICS.** (6-6-0). An accelerated study of college algebra and college trigonometry topics from analytic geometry, the concept of function, and the construction and interpretation of graphs. Prerequisite: Placement based on Mathematics section of ACT, SAT, or grade of C or higher in Mathematics 0920. Credit not allowed in this course and 1810, or 1020-1090.
- 1810. TECHNICAL MATHEMATICS.** (6-6-0). Mathematics for Industrial Technology students. Graphical treatment of the concepts and applications of algebra, trigonometry, and statistics. Prerequisite: Placement based on mathematics score on ACT or SAT, or a grade of C or higher in 0920. Credit not allowed in this course and 1100 or 1020-1090.
- 2010. SURVEY OF CALCULUS.** (3-3-0). Basic concepts of calculus; applications in other disciplines. Credit not allowed in both 2010 and 2100. Prerequisite: 1020.
- 2020. CALCULUS FOR ENGINEERING TECHNOLOGY.** (6-6-0). Graphical treatment of the concepts of differential and integral calculus; applications to engineering technology; Fourier series; elementary differential equations; Laplace transforms. Prerequisite: 1810 or consent of department head.

- 2030. ELEMENTARY AND MIDDLE SCHOOL MATHEMATICS.** (3-3-0). Mathematical concepts, applications, and processes relating to elementary and middle school mathematics. Prerequisite: Completion of University core mathematics requirements.
- 2040. INFORMAL GEOMETRY AND MEASUREMENT.** (3-3-0). The study of the geometry of one, two, and three dimensions in a variety of situations. The study of measurement of length, volume, weight/mass, and temperature in standard and metric units and its application in problem situations. Prerequisite: 2030.
- 2050. MATHEMATICS OF STATISTICS.** (3-3-0). Statistics as a scientific tool; frequency distributions, tabular and graphical representation of data; measures of central tendency; normal curve; correlation; sampling; probability curve fitting; limitations of theory. Prerequisite: Three hours of mathematics.
- 2080. FUNDAMENTALS OF PROOF.** (3-3-0). Introduction to mathematical proofs; propositional logic, induction, proof techniques, sets, relations, and functions. Prerequisite: 2100. Concurrent enrollment in 2100 is permitted with the consent of the Department Head.
- 2100. ANALYTICAL GEOMETRY AND CALCULUS I.** (5-5-0). Elementary functions; the concept of the derivative; the concept of the integral; differentiation formulas; applications of the derivative. Prerequisites: Grade of C or better in 1100, or in both 1020 and 1090, or consent of instructor.
- 2110. ANALYTICAL GEOMETRY AND CALCULUS II.** (5-5-0). Constructing antiderivatives; techniques of integration; applications of the definite integral; series; differential equations. Prerequisite: 2100.
- 3000. SPECIAL PROBLEMS.** (1-1-0). A preparation course designed for students competing in mathematical modeling contests, problem-solving competitions, and other competitive testing programs sponsored by regional and national mathematics organizations. The course may be repeated a maximum of two times.
- 3020. FOUNDATIONS OF GEOMETRY.** (3-3-0). Plane geometry, solid geometry, coordinate geometry, non-Euclidean geometry, nature of proof, deductive reasoning, measurement, construction, areas, and volumes. Prerequisite: 2080.
- 3090. LINEAR ALGEBRA I.** (4-4-0). Systems of equations, matrices, vector spaces, linear transformations, determinants. Prerequisite: 2080, 2110.
- 3100. MODERN ALGEBRA I.** (3-3-0). Integer arithmetic; modular arithmetic; rings and fields; isomorphisms; polynomials over a field; ideals; homomorphisms and quotient rings; prime and maximal ideals. Prerequisite: 3090.
- 3130. ANALYTICAL GEOMETRY AND CALCULUS III.** (3-3-0). Functions of many variables; vectors and their properties; partial differentiation; optimization of functions of many variables; multiple integration. Prerequisite: 2110.
- 3140. ANALYTICAL GEOMETRY AND CALCULUS IV.** (3-3-0). Parameterized curves and surfaces, vector fields, line integrals. Green's theorem, flux integrals, divergence and curl, divergence theorem, Stokes' theorem. Prerequisite: MATH 3130.
- 3150. THEORY OF PROBABILITY.** (3-3-0). Introductory concepts; elementary principles of the theory of probability; dependence; expectation; binomial distribution; other distribution functions; applications. Prerequisite: 3090.
- 3160. ORDINARY DIFFERENTIAL EQUATIONS.** (3-3-0). First order equations; systems of first order equations; linear systems, forcing and resonance, nonlinear systems, discrete dynamical systems. Prerequisite: 2110.
- 4050. MATHEMATICS CONTENT AND CONCEPTS.** (3-3-0). A problem solving approach to develop understanding of the tasks included in the five strands of high school and middle school mathematics. Prerequisite: 2110 or consent of instructor.
- 4060. THEORY OF NUMBERS.** (3-3-0). Foundations of the number system; repeating decimals; congruences; diophantine equations; continued fractions; quadratic residues. Prerequisite: 3090.
- 4070. HISTORY OF MATHEMATICS.** (3-3-0). History of the number system and development of the subject matter of arithmetic, algebra, and geometry on the elementary and secondary level; contributions of trigonometry, analytic geometry, and calculus. Prerequisite: 2100.
- 4100. DISCRETE MATHEMATICS.** (3-3-0). Graphs; applications of graphs; Markov chains.
- 4110. MODERN ALGEBRA II.** (3-3-0). Arithmetic in integral domains; unique factorization domains; groups; subgroups and Lagrange's theorem; isomorphisms and homomorphisms of groups; normal subgroups and quotient groups; field extensions; algebraic extensions; splitting fields; Galois theory. Prerequisite: 3100.
- 4130. TOPICS IN GAME THEORY.** (3-3-0). Zero sum games; strategies; infinity games; utility theory; N-person games; indices of power; bargaining sets. Prerequisite: 3150.
- 4150. FOUNDATIONS OF MATHEMATICS AND COMPUTABILITY.** (3-3-0). An introduction to mathematical logic and computability. Topics to be covered include formal languages, first order logic, axiom systems, incompleteness and decidability, computability, and applications of logic and computability to computer science and programming languages.
- 4170. ADVANCED CALCULUS.** (3-3-0). Advanced phases of limits and continuity; derivatives and differentials; functions of several variables; definite integrals; multiple integrals; line integrals; infinite series. Prerequisite: 3090.
- 4200. THEORY OF FUNCTION OF A COMPLEX VARIABLE.** (3-3-0). Real and complex numbers; differentiation and integration of a complex variable; mapping of elementary functions; linear fractional transformations; infinite series. Prerequisite: 4170 or consent of department head.
- 4260. PARTIAL DIFFERENTIAL EQUATIONS.** (3-3-0). Second order linear partial differential equations with mixed boundary conditions; orthogonal systems and their uses in solving partial differential equations. Prerequisite: 3160.
- 4320. LINEAR ALGEBRA II.** (3-3-0). Innerproduct spaces, determinants, eigenvalues, eigenvectors, diagonalizability, applications. Prerequisite: 3090.
- 4500. GENERAL TOPOLOGY.** (3-3-0). Development of the fundamental concepts of general topology including topological spaces, continuity of functions, product spaces, connectedness, compactness. Prerequisite: 4170.
- 4900. FIELD EXPERIENCE IN MATHEMATICS.** (3 to 12-0-0). Controlled work experience designed by the host organization and instructor to blend theory and practice. A minimum of 30 hours of employment is required for each hour of credit. Periodic evaluations, special projects, final report and presentation. Prerequisite: consent of department head.
- 4950. MATHEMATICS – A CAPSTONE COURSE.** (3-3-0). A synthesis of previous mathematics courses; individually directed research; preparation for employment and teaching; an exit exam preparation. Prerequisite: Senior standing and consent of the department head.
- 4960. MATHEMATICS – A CAPSTONE COURSE II.** (3-3-0). A continuation of directed study and independent research conducted in 4950.

1 0920 may not be used to satisfy the mathematics requirements in any curriculum.

2 Acceptable sequences: 1020-1060, 1020-1090, 1020-2010, 2100-2110.

For Graduates Only

5020. SPECIAL TOPICS IN MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS. (3-3-0).

Subtitles:

01-elementary mathematics

02-history

03-problem solving

04-algebra

05-geometry

06-selected reading

May not be used to fulfill requirements for M.S. degree in Mathematics Education. Prerequisite: Consent of department head.

5350. SELECTED TOPICS IN MATHEMATICS. (3-3-0).

Subtitles:

01-foundations

02-functions and relations

03-algebra

04-selected readings

05-special topics

Prerequisite: 2110.

MERCHANDISING (MRCH)

For Undergraduates Only

2210. RETAIL MERCHANDISING. (3-3-0). Organization and management of retail establishments; store location; buying; receiving; stockkeeping; sales systems; store policies.

2220. FASHION MARKETING. (3-3-0). Merchandising aspects of fashion; purchasing, display, and economic considerations.

3200. VISUAL MERCHANDISING. (3-3-0). Theory and practice in promotion of products through visual merchandising including retail display techniques, fashion show production, special events, and other promotional activities in retailing. Prerequisite: ART 1010.

4220. FASHION MERCHANDISING STUDY TOUR. (3-3-0). The fashion industry and apparel market with tours of designers' workrooms, buying offices, and related apparel/textiles organizations. Expenses incurred to be paid by participant. Prerequisite: Nine hours in Fashion Merchandising area or consent of instructor.

MILITARY SCIENCE (MSCI)

For Undergraduates Only

1010. FOUNDATIONS OF OFFICERSHIP. (1-1-0). Introduction to the Reserve Officer Training Corps (ROTC) and the fundamental components of service as an officer; values, fitness, leadership, officership, communications theory and practice, and interpersonal relationships. Prerequisite: Permission of Instructor.

1011. FOUNDATIONS OF OFFICERSHIP LABORATORY. (1-0-3). Hands on instruction in rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science, the following courses may be used to satisfy Military Science 1011 and 1021 requirements: human performance activity courses, Human Performance 1110. Prerequisite: Permission of Instructor.

1020. BASIC LEADERSHIP. (1-1-0). Builds on fundamental components of service as an officer in the United States Army by focusing on leadership theory and decision making; problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Prerequisite: Permission of Instructor.

1021. BASIC LEADERSHIP LABORATORY. (1-0-3). Hands on instruction in advanced rappelling, mountaineering techniques, and equipment care. Includes participation in at least one field training exercise. With approval of the Professor of Military Science the following courses may be used to satisfy Military Science 1011 and 1021 requirements: human performance activities courses, Human Performance 1110. Prerequisite: Permission of Instructor.

2010. INDIVIDUAL LEADERSHIP STUDIES. (2-2-0). Builds on fundamentals of leadership through practical exercise and examining several aspects of communication and leadership theory. Prerequisite: Permission of Instructor.

2011. INDIVIDUAL LEADERSHIP STUDIES LABORATORY. (1-0-3). Physical fitness training and practical application of military skills learned in the classroom. Includes participation in at least one field training exercise. Prerequisite: Permission of Instructor.

2020. LEADERSHIP AND TEAMWORK. (2-2-0). Provides extensive examination of the unique purpose, roles, and obligations of commissioned officers. It includes a detailed look at the origin of our institutional values and their practical application in decision making and leadership. Prerequisite: Permission of Instructor.

2021. LEADERSHIP AND TEAMWORK LABORATORY. (1-0-3). Physical fitness training and practical exercises of leadership and military skills learned in the classroom. Includes participation in at least one field training exercise. Prerequisite: Permission of Instructor.

2030. INTERMEDIATE MILITARY PHYSICAL FITNESS I. (2-0-2). Development of the practical experience gained in the introduction to military physical fitness courses. Emphasis on conditioning and the FITT factors – frequency, intensity, time, and type. Prerequisite: Permission of Instructor. Class may be repeated for a total of eight hours credit.

2080. LEADERS TRAINING COURSE. (2 to 8-0-8). Six-week camp at an active Army installation under the direction and supervision of the active Army personnel. Basic military subjects and leadership experiences. Practical work in both garrison and in the field. Qualifies a student with no prior military science courses for entry into the Advanced ROTC Program. Prerequisite: Consent of PMS.

3010. LEADERSHIP AND PROBLEM SOLVING. (3-3-0). Builds leadership competencies through practical application of troop leading procedures, decision making and planning. Prerequisite: Completion of 1010, 1020, 2010, 2020 or completion of Basic Camp or consent of the PMS.

3011. LEADERSHIP AND PROBLEM SOLVING LABORATORY. (1-0-3). Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in classroom. Includes participation in at least three field training exercises and a social activity. Prerequisite: Permission of Instructor.

3020. LEADERSHIP AND ETHICS. (3-3-0). Focused on doctrinal leadership and tactical operations at the small unit level. Includes opportunities to plan and conduct individual and collective skill training for offensive operations to gain leadership and tactical experience. Prerequisite: 3010, 3011 or consent of PMS.

3021. LEADERSHIP AND ETHICS LABORATORY. (1-0-3). Advanced physical fitness training and evaluated practical leadership exercises using skills and techniques learned in the classroom. Includes participation in at least three field training exercises and a social activity. Prerequisite: Permission of Instructor.

3030. LEADER DEVELOPMENT AND ASSESSMENT COURSE. (6-0-6). Six-week advanced ROTC Camp at an active Army installation under direction and supervision of active Army personnel. Leadership experiences in garrison and in field designed to evaluate leadership potential under stressful conditions using formal Leadership Assessment Programs (LAP). Prerequisite: Completion of 3010, 3011, 3020, 3021 and/or consent of PMS.

3040. ADVANCED MILITARY PHYSICAL FITNESS I. (3-0-3). Advanced practical exercises in Army physical fitness training. Practical experience in sustaining a training heart rate. Practical experience in leading platoons through progressively challenging physical fitness sessions. Class may be repeated for a total of twelve hours credit. Prerequisite: Permission of Instructor.

4010. LEADERSHIP AND MANAGEMENT. (3-3-0). Concentrates of leadership, management, and ethics. Begins final transition from cadet to lieutenant. Prerequisite: Consent of PMS.

4011. LEADERSHIP AND MANAGEMENT LABORATORY. (1-0-3). Advanced physical fitness training and practical exercises in leadership and Army staff relationship including thinking, analyzing, planning, deciding, and communicating. Plan and conduct at least three field training exercises, and a social event under faculty supervision. Prerequisite: Permission of Instructor.

- 4020. OFFICERSHIP.** (3-3-0). Professional development subject areas designed to prepare students for commissioning in the United States Army. Foundation in the legal aspects of decision making and leadership, how to organize for operations from the tactical to strategic level, administrative and logistical management focusing on fundamentals of soldier and unit level support. Prerequisite: Consent of PMS.
- 4021. OFFICERSHIP LABORATORY.** (1-0-3). Advanced physical fitness training, practical exercises in leadership, command and staff operation, plan and conduct at least five field training exercises and a social event under faculty supervision. Prerequisite: Permission of Instructor.
- 4050. READING AND CONFERENCE IN ADVANCED MILITARY SCIENCE.** (1-0-0). Independent reading and study of the art of military leadership and ethics. Conferences with assigned professor(s). Prerequisites: 4010, 4020 and consent of PMS. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit.
- 4060. PRACTICUM IN MILITARY STAFF PLANNING AND EXECUTION.** (1-0-2). Practical exercises in military staff planning and execution of selected ROTC activities exercises and/or leadership laboratories. Prerequisite: 4010, 4020 and consent of PMS. Student must participate in scheduled physical training sessions as the direction of the PMS. Class may be repeated for a total of four hours credit.
- 4070. READINGS AND REPORTS.** (1-0-0). Readings and book reports on issues and/or military subjects of contemporary significance for military leaders. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit. Prerequisites: 4010, 4020 and consent of PMS.
- 4080. PRACTICUM IN METHODS OF INSTRUCTION.** (1-0-2). Actual experience in preparing and presenting military science instruction on selected topics under instructor supervision. Student must participate in scheduled physical training sessions at the direction of the PMS. Class may be repeated for a total of four hours credit. Prerequisite: 4010, 4020 and consent of PMS.

MUSIC (MUS)

For Undergraduates Only

- 1000. INTRODUCTION TO MUSIC THEORY.** (3-3-0). For beginning music students who need additional training and review prior to entering Music 1150. The Great Staff; notes and note-values; key signatures; intervals, simple and compound meter; elementary sight singing, ear training and dictation; simple keyboard exercises; rudimentary musical terms; basic elements of form.
- 1010. CLASS PIANO FOR NON-MUSIC MAJORS.** (3-3-0). Basic note reading; chords for harmonizing melodies and demonstrating techniques and methods in classroom music; for elementary education majors. Open to any student.
- 1020. CLASS PIANO FOR NON-MUSIC MAJORS II.** (3-3-0). Continuation of 1010. Development of reading ability at the keyboard, simple improvisation, and harmonization. Music literature suitable for the elementary classroom teacher or beginning pianist. Open to any student.
- 1040. CLASS GUITAR FOR NON-MUSIC MAJORS.** (3-3-0). Basic guitar skills and music reading; use of chords for harmonizing melodies and demonstrating techniques and methods for use in classroom music; for elementary education majors. Open to any student. Prerequisite or corequisite: 2100 or consent of instructor.
- 1150. MUSIC THEORY I.** (2-3-0). Written theory skills will be developed in the areas of: scales, key signatures, rhythm and meter, cadences, part-writing, harmonizing melodies and triads. Prerequisite: Consent of instructor.

- 1151. AURAL SKILLS I.** (1-0-2). Sight singing skills will be developed employing solfege, emphasizing diatonic melodies and scales. Ear training skills concerning rhythmic dictation, chord qualities, and harmonic dictation will be developed. Prerequisite: Registration in or credit for 1150.
- 1160. MUSIC THEORY II.** (2-3-0). Written theory skills will be developed in the areas of: harmonic progressions, non-harmonic tones, cadences, diatonic seventh chords, and secondary dominants. Prerequisite: Grade of "C" or better in 1150.
- 1161. AURAL SKILLS II.** (1-0-2). Sight singing skills will be continued with an emphasis on minor melodies and chords. Ear Training skills will include melodic and rhythmic dictation, adding four-part harmonic dictation. Prerequisite: Registration in or credit for 1160, and a grade of "C" or better in 1151.
- 1210. FRENCH DICTION.** (1-1-0). Prerequisite: 1230.
- 1220. GERMAN DICTION.** (1-1-0). Prerequisite: 1230.
- 1230. ENGLISH/ITALIAN DICTION.** (1-1-0). Aural and written skills of the International Phonetic Alphabet. Applications of this phonetic transcription method to English and Italian diction, relative to singers and choral conductors.

Performance Ensembles

For music majors, minors and students not majoring in music. Music ensemble courses may be repeated for credit. Prerequisite: Consent of instructor.

The following are academic courses in all music curricula; extra-curricular courses in other curricula:

- 1300. PEP BAND.** (1 or credit-3-0).
- 1310. BAND.** (1 or credit-6-0).
- 1320. MEN'S CHORUS.** (1 or credit-2-0).
- 1330. CHAMBER CHOIR.** (1 or credit-3-0).
- 1340. ORCHESTRA.** (1 or credit-4-0).
- 1350. STRING ENSEMBLE.** (1 or credit-2-0).
- 1360. JAZZ ENSEMBLE.** (1 or credit-3-0).
- 1370. OPERA THEATRE.** (1 or credit-4-0).
- 1380. NORTHWESTERN LYRIC.** (1-3-0).
- 1390. BRASS ENSEMBLE.** (1 or credit-2-0).
- 1400. PERCUSSION ENSEMBLE.** (1 or credit-2-0).
- 1410. WOODWIND ENSEMBLE.** (1 or credit-2-0).
- 1420. UNIVERSITY SINGERS.** (1-4-0).
- 1430. CONCERT CHOIR.** (1-3-0).
- 1440. ACCOMPANYING.** (1 or credit-3-0).
- 1450. MUSIC THEATRE.** (1 or credit-3-0).
- 1500. RECITALS AND CONCERTS.** (0-0-0). Required attendance at recitals and concerts for all music majors. May be repeated.
- 1650. KEYBOARD SKILLS.** (1-2-0). Prerequisite: Consent of instructor.

Performance Instruction

Private Lessons.² The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 1700, 1710, or 3710 the letter representing the performance area from the following:

A-piano	M-tuba
B-organ	N-percussion
C-voice	P-violin
D-flute	Q-viol
E-oboe	R-cello
F-clarinet	S-double bass
G-bassoon	T-harp
H-saxophone	U-harpsichord
J-trumpet	V-guitar
K-trombone	W-French horn
L-euphonium	X-Conducting

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 1700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Lower-level private lessons in minor areas, and for the non-music major. Prerequisite: Consent of instructor.
- 1710. MAJOR STUDY.** (2 or 3-0-1). Lower-level private lessons in major areas for the music major, and for the music minor. Students in Bachelor of Music (performance concentration) enroll for 3 credit hours; all others enroll for 2 credit hours. Prerequisite: Consent of instructor.
- PIANO CLASSES.** Group instruction in piano for music majors only.
- 1800. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 1150.
- 1810. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 1160, and a grade of "C" or better in 1800.
- 1820. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 2150, and a grade of "C" or better in 1810.
- 1830. PIANO CLASS.** (1-2-0). Prerequisite: Registration in or credit for 2160, and a grade of "C" or better in 1820.
- INSTRUMENT CLASSES.** Performance and teaching techniques, study of performance and teaching literature, information and materials on the selection, use, and maintenance of instruments and accessory equipment.
- 1840. WOODWIND CLASS I.** (2-3-0).
- 1850. WOODWIND CLASS II.** (2-3-0).
- 1860. BRASS CLASS I.** (2-3-0).
- 1870. BRASS CLASS II.** (2-3-0).
- 1880. STRING CLASS I.** (2-3-0).
- 1890. PERCUSSION CLASS I.** (2-3-0).
- 1900. GUITAR CLASS.** (2-3-0).
- 1910. VOICE CLASS.** (1-1-1). Group instruction in voice. Open to non-music majors. May be repeated for credit. Prerequisite: Consent of instructor.
- 1920. STRING CLASS II.** (2-2-1). Continuation of Music 1880 String Class I. Further development of playing techniques for violin, viola, cello, and string bass. Prerequisite: 1800.
- 1930. PERCUSSION CLASS II.** (2-2-1). Continuation of Music 1890 Percussion Class I. Further development of playing techniques for all melodic and battery percussion. Prerequisite: 1890.
- 2000. AMERICAN JAZZ BEGINNINGS: FROM CREOLE BANDS THROUGH THE EARLY 20TH CENTURY.** (3-3-0). An overview of Creole jazz musicians and their impact on jazz music. Specific composers, musicians, and acculturation will be discussed in an historical and stylistic context.
- 2030. MUSIC HISTORY/LITERATURE I.** (2-2-1). An examination of music history/literature in Western culture from the Greco-Roman era through the 1400's.
- 2040. MUSIC HISTORY/LITERATURE II.** (2-2-1). An examination of music history/literature in Western culture from the high Renaissance through the Baroque era. Prerequisite: Grade of "C" or better in 2030 or consent of instructor.
- 2100. KINDERGARTEN AND ELEMENTARY SCHOOL MUSIC.** (2 or 3-3-0). Fundamental skills and materials of music for pre-school through upper elementary grades.
- 2110. INSTRUMENTAL PEDAGOGY FOR THE MUSIC CLASSROOM.** (1-2-0). A survey of wind, percussion, and string instruments designed to aid vocal educators in instrumental music instruction. Emphasis will be placed on knowledge of the function of instruments and integrating them into vocal music programs. Prerequisite: Consent of instructor.
- 2120. CHURCH MUSIC: HISTORY I.** (2-2-0). A lecture/seminar course designed to introduce the student to the history of church music from biblical times to the present, including contemporary trends in church music. The course is not structured toward or restricted to any particular denomination and will include the music of both Christian and Judaic traditions. This course is designed for students interested in working in church music, as organists, organist-choirmasters, choir directors, ministers of music, and in other aspects of music in corporate worship. Prerequisite: 1150 or consent of instructor.
- 2130. CHURCH MUSIC: HISTORY II.** (2-2-0). Continuation of 2120.
- 2150. MUSIC THEORY III.** (2-3-0). Written theory skills will be developed in the areas of: modulation, binary and ternary forms, diminished triads and seventh chords, transposition, borrowed chords, augmented chords. Ability to play modulations and chord progressions on the piano is essential. Prerequisite: Grade of "C" or better in 1160.
- 2151. AURAL SKILLS III.** (1-0-2). This course continues to develop aural skills learned in 1151 and 1161. Emphasis will be placed on ability to sing in solfege—diatonic, nondiatonic, and modulating melodies—and the ability to aurally recognize melodies and chord progressions. Prerequisite: Registration in or credit for 2150, and a grade of "C" or better in 1161.
- 2160. MUSIC THEORY IV.** (2-3-0). Continuation of 2150. Secondary dominant chords; secondary leading tone triads and 7th chords; augmented triads and the Neapolitan 6th chord; augmented 6th chords of the 9th, 11th, and 13th; advanced modulation. Prerequisite: Grade of "C" or better in 2150.
- 2161. AURAL SKILLS IV.** (1-0-2). Continuation of 2151. Aural skills will be developed by singing in solfege—atonal melodies, modal melodies, and further chromaticism. Harmonic dictation will consist of 4-part chordal progressions. Prerequisite: Registration in or credit for 2160 and a grade of "C" or better in 2151.
- 2170. JAZZ THEORY.** (3-3-0). Jazz theory is the study of the language of jazz music and improvisation. This course expands upon the student's core music theory knowledge with the implementation of jazz improvisational techniques and concepts, such as: reading and application of chord symbols and extensions, an expanded knowledge of scales and modes, beginning ear training in the jazz language, basic jazz keyboard harmony, analysis of song forms, and a basic knowledge of some jazz standard tunes. Prerequisite: MUS 1160 and MUS 1161.
- 2990. SPECIAL TOPICS.** (3-3-0). May be repeated for credit when the topic varies.
Subtitles:
01-Survey of Music Business
02-Protocols
03-Principles of Sound Mixing
- 3020. COUNTERPOINT.** (3-3-0). Writing of chorale preludes, inventions and fugues in two, three, and four voices, based on 18th-century practice; contemporary contrapuntal techniques including those based on modal writing, synthetic scales, polytonality, and serial techniques. Prerequisite: 2160.
- 3030. MUSIC HISTORY/LITERATURE III.** (2-2-1). An examination of music history/literature in Western culture from the Enlightenment into the Romantic era. Prerequisite: Grade of "C" or better in 2040 or consent of instructor.
- 3040. MUSIC HISTORY/LITERATURE IV.** (2-2-1). An examination of music history/literature in Western culture from the late Romantic era to the present day. Prerequisite: Grade of "C" or better in 3030 or consent of instructor.
- 3090. TECHNIQUES OF CONDUCTING.** (2-2-0). Basic elements of conducting relating to various media of performance. Prerequisite: 2040 and 2160.
- 3100. CHORAL CONDUCTING.** (2-2-0). Techniques of conducting choral groups. Score analysis, interpretation and problems of presentation, rehearsal and performance. Prerequisite: 3090.
- 3110. INSTRUMENTAL CONDUCTING.** (2-2-0). Techniques of conducting instrumental groups. Score analysis, interpretation and problems of preparation, rehearsal and performance. Prerequisite: 3090.
- 3120. CHURCH MUSIC: LITURGICS.** (2-2-0). A survey of liturgy and the formats of public worship within the Judeo-Christian tradition. The course will cover the development of liturgy from the Hebrew temple and synagogue traditions to the present with emphasis on contemporary worship styles.

- 3130. CHURCH MUSIC: HYMNODY.** (2-2-0). A lecture/seminar course designed to introduce the student to the history, development and basic styles of Christian hymns. The course is not structured toward or restricted to any particular denomination. This course is designed for students interested in working in church music as organists, pianists, choir directors, organist-choirmasters, ministers of music, choir singers or in any other aspect of church music. Keyboard skills are helpful, but not essential.
- 3500. MUSIC FOR STAGE AND SCREEN.** (3-3-0). An overview of theatre and film music in Western culture, including the genres of opera, operetta, incidental music, Broadway, and film music. Specific composers and trends will be discussed in an historical and stylistic context. Prerequisites: Fine Arts 1040 for traditional NSU students; SCRT 181W for Scholars' College students.
- 3600. HISTORY OF AFRICAN-AMERICAN MUSIC.** (3-3-0). A study of the history of African-American music from its African roots to the present. A particular emphasis is placed on music since 1900, including the artists who perform such music and its social significance and power. Prerequisite: Fine Arts 1040, equivalent, or consent of instructor.
- 3710. MAJOR STUDY.** (2 or 3-0-1). Upper-level private lessons in major areas for the Music major. Bachelor of Music majors (performance concentration) enroll for 3 credit hours; all others enroll for 2 credit hours. Prerequisite: Four semesters of MUS 1710 with a "C" or better, and consent of applied music faculty.
- 4010. FORM AND ANALYSIS.** (3-3-0). Skill will be developed in the recognition of basic, intermediate, and large scale formal structures. Sections of compositions, along with entire works, will be analyzed to gain the ability to recognize and understand phrase and period construction, as well as binary, ternary, and other forms. Prerequisite: 2040, 2160.
- 4040. CHORAL ARRANGING.** (1-1-0). Study of secular and sacred choral literature that has been arranged. Arranging melodies for various voicing maintaining good part-writing skills. Prerequisite: Grade of "C" or better in MUS 2160.
- 4050. INSTRUMENTATION.** (3-3-0). Instruments in band and orchestra; scoring for band and orchestra; arranging music for band and orchestra, including assignments dealing with needs and limitations of public-school organizations. Prerequisite: 2160.
- 4060. TWENTIETH-CENTURY MUSIC.** (3-3-0). Music of major composers and schools of composition from Debussy to present. Literature and analytical techniques. Writing in contemporary idioms. Prerequisite: 2160 and 2040.
- 4070. COMPOSITION I.** (3-3-0). Writing of songs and short choral and instrumental pieces. Prerequisite: 2160.
- 4080. COMPOSITION II.** (3-3-0). Continuation of 4070.
- 4120. CHURCH MUSIC: ADMINISTRATION.** (2-2-0). A practical exploration of the administrative aspects of directing a church music program. The course is designed for students interested in church music and will provide guidelines for organizing and directing musical activities in churches. The course is broad-based and is not restricted to any particular denomination.
- 4130. AMERICAN MUSIC.** (3-3-0). A chronological examination of American music from the Native American music as experienced by early European settlers to the music of contemporary American composers. The study will include both sacred and secular art music. Prerequisite: MUS 3030, 3040, or permission of instructor.
- 4140. SACRED MUSIC PRACTICUM** (3-1-2). A practical course in which students observe and take limited responsibility for the church music program of an assigned area church. Under supervision of the sacred music faculty, students will exercise skills and concepts learned in the classroom. Enrolled students will meet for a one-hour weekly seminar with sacred music faculty. Prerequisite: For Sacred Music concentration students who have successfully completed MUS 2120, 2130, 3120, 3130, 4120. This course should be taken in preparation for the senior recital.
- 4150. PEDAGOGY.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and methods for teaching individuals and groups. May be repeated for up to six hours credit. Prerequisite: Consent of instructor.
- 4200. MUSIC TECHNOLOGY.** (3-2-1). Overview of hardware and software; vocabulary and understanding of music technology; MIDI, sequencing, digital sound sampling and editing; music notational software. Prerequisite: Music major or minor; junior classification.
- 4250. INSTRUMENT MAINTENANCE AND REPAIR.** (3-3-0). For instrumental music education majors. Emergency and basic instrument repair, including soldering, repadding, dentwork, and adjustments. Care and preventive maintenance of brass, woodwind, and percussion instruments. Prerequisite: Junior standing.
- 4260. PIANO PEDAGOGY II.** (3-3-0). This course, the second in the piano pedagogy sequence, continues the study of the art of piano teaching, involving a careful examination of the materials, skills, and knowledge necessary for teaching intermediate and early advanced piano students. The primary focus will be the continued supervised teaching of students in the demonstration class established in MUS 4150. Additional topics include evaluation of literature by pedagogical composers, the teaching of piano technique, applications of technology, and examining the teaching of functional skills. Prerequisite: 4150 or consent of instructor.
- 4300. PIANO ENSEMBLE LITERATURE.** (1-1-0). Music written for piano, two pianos and piano four hands. Prerequisite: Consent of instructor.
- 4390. PERFORMANCE LITERATURE.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and repertoire of the major performance areas. Prerequisite: Consent of instructor.
- 4400. SOUND RECORDING.** (3-3-1). Theory and practice of audio recording, microphone selection and placement, mixing, equalization, compression, re-dubbing, mixing down. Prerequisite: Consent of instructor.
- 4490. PIANO LITERATURE II.** (3-3-0). This course is designed to study keyboard compositions from approximately 1800 to the present time. The life and works of composers from each artistic period as well as different recordings of piano music will be discussed.
- 4720. RECITAL.** (1 or 2-0-1). Preparation and performance of a public recital. Seniors performing the Bachelor of Music degree recital enroll for 2 credit hours; all others enroll in 1 credit hour. Approval of the performance faculty based on a recital preview jury is required for completion of this course. Prerequisite: Junior or Senior standing in a music curricula and consent of major professor. Corequisite: 3710. May be repeated for credit.
- 4730. MUSIC BUSINESS INTERNSHIP.** (3-0-3). Supervised work experience in the music industry. Prerequisite: Senior standing in the Bachelor of Music: Concentration in Music Business.

¹ On the basis of a placement test, entering students will be sectioned and required to complete two or three courses in freshman music theory. Six hours of freshman music theory are required of all majors, and the required courses must be taken in sequence. For students who take nine hours of freshman music theory, three hours will be added to the number required for graduation. There will be no change in the amount of theory required beyond the freshman year.

² One hour a day of practicing for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.

- 5010. PRACTICAL REVIEW OF HARMONY AND MUSICAL ANALYSIS.** (2-2-0). Review course material covered in: 1150, 1151, 1160, 1161, 2150, 2151, 2160, 2161, 4010. Not for degree credit.
- 5020. ADVANCED FORM AND ANALYSIS.** (3-3-0). Individual projects in analysis and class discussion of representative works on large forms from all periods. Prerequisite: 4010 or equivalent.
- 5040. INSTRUMENTAL ARRANGING.** (3-3-0). Practical band arranging; orchestration for average school situations with full instrumentations.
- 5050. PRACTICAL REVIEW OF MUSIC HISTORY AND LITERATURE.** (2-2-0). Review course material covered in 2030, 2040, 3030 and 3040. Not for degree credit.
- 5060. CHORAL ARRANGING.** (3-3-0). Secular and sacred choral literature form and harmonic structure; extension of individual creative ability by arranging of assigned melodies for different voicing; good choral sounds and effects; voice problems and techniques.
- 5070. CHAMBER MUSIC.** (1-2-0). Performance of important works composed for small combinations of instruments and/or voices. May be repeated for credit. Credit may not apply toward any degree.
- 5120. ELECTIVE RECITAL.** (1-0-0). Preparation and performance of a public recital. Elective for all graduate music majors. Approval of the performance faculty based upon a recital preview jury is required for completion of this course. Prerequisite: Graduate music major, consent of performance faculty based on recital preview jury, and consent of major professor. May be repeated for credit. Credit may not apply for any degree. Corequisite: MUS 5710.
- 5150. PEDAGOGY.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and methods for teaching individuals and groups. Prerequisite: Consent of instructor.
- 5230. ADVANCED CONDUCTING.** (3-3-0). Examination of scores with reference to rehearsal and interpretive problems. Experience with instrumental and choral ensembles, both separately and in combination. Repertoire appropriate to concert performance.
- 5280. ENSEMBLE PERFORMANCE.** (1-0-3). Problems of public performance from viewpoint of the conductor-director. Practical experience with performing ensembles. May be repeated for credit. Required in the Music Performance concentration; elective in other curricula.
- 5300. MEDIEVAL AND RENAISSANCE MUSIC.** (3-3-0). History of Western music to about 1600; representative compositions.
- 5310. MUSIC IN THE BAROQUE ERA.** (3-3-0). Development of homophonic and contrapuntal styles of the 17th and 18th centuries; beginning of opera, oratorio, chamber and orchestral music, and solo literature.
- 5320. MUSIC IN THE CLASSICAL PERIOD.** (3-3-0). Development of sonata form; emergence of modern orchestra and chamber music ensembles; representative works from literature of the period.
- 5330. MUSIC IN THE ROMANTIC PERIOD.** (3-3-0). Western music of the 19th century, including further development of sonata form, the symphony, opera, solo song, free forms, and program music.
- 5340. STUDIES IN THE HISTORY OF VOCAL MUSIC.** (3-3-0). Vocal idioms of all stylistic periods. Larger vocal forms of mass, cantata, oratorio, and opera.
- 5350. STUDIES IN THE HISTORY OF INSTRUMENTAL MUSIC.** (3-3-0). Instrumental forms of all stylistic periods. Larger instrumental forms of orchestral and wind ensembles.
- 5360. TWENTIETH CENTURY MUSIC.** (3-3-0). Music of major composers and schools of composition from Debussy to present.

- 5370. AMERICAN MUSIC.** (3-3-0). A chronological examination of American music from the Native American music as experienced by early European settlers to the music of contemporary American composers. The study will include both sacred and secular art music.
- 5390. PERFORMANCE LITERATURE.** (3-3-0).
Subtitles:
01-instrumental
02-piano
03-vocal
Materials and repertoire of the major performance areas. May be repeated for up to six hours.
- 5400. SPECIAL PROBLEMS.** (1 to 3-3-0). Techniques and literature. Scheduled by counsel and student's advisor. May be repeated for credit. No more than six credit hours to be applied toward degree.
- 5430. SOUND RECORDING.** (3-3-1). Theory and practice of audio recording, microphone selection and placement, mixing, equalization, compression, re-dubbing, mixing down. Prerequisite: Consent of instructor.
- 5440. MUSIC TECHNOLOGY.** (3-2-1). Overview of hardware and software; vocabulary and understanding of music technology; MIDI, sequencing, digital sound sampling and editing; music notational software. Prerequisite: Consent of instructor.
- 5530. ANALYSIS OF MODERN MUSIC.** (3-3-0). Explores various theoretical approaches to post-tonal music and examines repertoires and musical-aesthetic movements from the post-tonal era. Prerequisite: Students must have fulfilled all music theory requirements for an undergraduate degree in music, and have passed the graduate music theory diagnostic exam or completed MUS 5010.
- 5620. LECTURE RECITAL.** (1-0-0). Preparation and performance of a public lecture recital. Within one final project option, MUS 5620 is used to partially satisfy the research requirement in the music education major. Approval of the performance faculty based upon a lecture recital preview jury is required for completion of this course. Prerequisite: Candidacy in the music education degree, consent of performance faculty based on lecture recital preview jury, and consent of major professor. Corequisites: MUS 5710, MUED 5620.

Performance Instruction

Private Lessons.¹ The individual curriculum for each degree program prescribes the level and number of hours credit for major and minor study. Add to the section number of the course 5700, or 5710, the letter representing the performance area selected from the following:

A-piano	M-tuba
B-organ	N-percussion
C-voice	P-violin
D-flute	Q-violon
E-oboe	R-cello
F-clarinet	S-double bass
G-bassoon	T-harp
H-saxophone	U-harpichord
J-trumpet	V-guitar
K-trombone	W-french horn
L-euphonium	X-conducting

Private lesson course numbers may be repeated as needed to complete degree requirements.

- 5700. MINOR STUDY.** (1 or 2-0-1/2 or 1). Private lessons in minor areas, and for the non-music major. Prerequisite: Consent of instructor.
- 5710. MAJOR STUDY.** (2 or 3-0-1). Private lessons in major areas for the music major. Prerequisite: Consent of instructor.
- 5720. GRADUATE RECITAL.** (2-0-0). Preparation and performance of a public recital. Required of performance majors. Approval of the performance faculty based upon a recital preview jury is required for completion of this course. Prerequisite: Candidacy in the music performance degree, consent of performance faculty based on recital preview jury, and consent of major professor. Corequisites: MUS 5710, MUS 5970.

- 5870. INTRO/MCCLOSKEY TECHNIQUE.** (1-1-0). Introduction to the vocal techniques of David Blair McClosky, a pioneer in vocal therapy and rehabilitation. Lectures covering the technique and related topics; small group sessions for personal application of the techniques. Prerequisite: Consent of the instructor.
- 5880. MCCLOSKEY TECHNIQUE I.** (1 to 4 -1 to 4-0). Part I of the advanced course leading to certification in McClosky Vocal Technique (CMVT). The course will consist of lectures, readings, individual tutorials and observation of CMVTs teaching in lectures and small group sessions. Prerequisite: Consent of the instructor, completion of MUS 5870 is highly recommended.
- 5890. MCCLOSKEY TECHNIQUE II.** (1 to 4 -1 to 4-0). Part II of the advanced course leading to certification in McClosky Vocal Technique (CMVT). The course will consist of lectures, readings, individual tutorials and a practicum with the McClosky Seminar (MUS 5870). Prerequisite: Consent of instructor, completion of MUS 5880.
- 5970. PERFORMANCE DOCUMENT.** (1 to 2-0-0). This course is an extensive exploration of a subject that relates to the Graduate Recital program. Requires a performance document proposal and approval of student's graduate committee. A candidate must be continuously enrolled in MUS 5970 until the performance document is successfully defended and approved. Prerequisite: Candidacy in the music performance degree; successful preparation of performance document proposal by the end of the previous academic semester, approved and signed by the student's Graduate Committee, and placed on file in the Graduate School office. Corequisite: MUS 5720.
- 4020. CURRENT ISSUES AND PROBLEMS IN THE MUSIC CLASSROOM SEMINAR.** (3-3-0). Problem-oriented course for students who are student teaching in music. Problems identified by student teachers and/or university supervisor; causes for problems and possible solutions. Group discussion through blackboard on current trends and issues in music education. Prerequisite: Admission to teacher candidacy, co-enrollment in student teaching.
- 4110. ELEMENTARY MUSIC METHODS.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodaly, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of C or better.
- 4220. MARCHING BAND TECHNIQUES.** (3-3-0).
- 4230. BAND DIRECTORS WORKSHOPS.** (3-3-0). May be repeated for up to six hours credit.
Subtitles:
01-advanced marching band techniques
02-rehearsal techniques
03-instrument clinic
04-instrument repair
05-materials and literature
- 4460. BAND LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Admission to teacher candidacy, MUS 2040, MUS 2160.
- 4480. ORCHESTRAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Music 2040 and 2160.
- 4520. CHORAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.

¹ One hour a day of practice for each hour of credit is required; the amount of literature to be learned and memorized will vary in proportion to the amount of credit earned.

MUSIC EDUCATION (MUED)

For Undergraduates Only

- 2020. FOUNDATIONS OF MUSIC EDUCATION.** (3-3-0). Historical, social, philosophical foundations of music education and education; music ensembles organization and administration; opportunities, requirements, and ethics in the teaching profession; observation and participation in schools. This is a required course for all music education majors, vocal and instrumental, which provides an overview of the total public school music program.
- 3140. PRINCIPLES OF TEACHING MUSIC.** (3-3-1). Theory, organization, and practice of music teaching skills. Techniques of planning, instruction, media, evaluation, classroom management, and technology in music. Includes field experience component. Prerequisite: Admission to candidacy in teacher education, MUED 2020, EPSY 2020, EPSY 3000.
- 3510. FIELD EXPERIENCE FOR MUSIC EDUCATORS.** (1-0-30). Practical application of teaching music, putting principle to practice. Must be direct teaching experiences in music. Includes a minimum of 30 hours of field experience. Prerequisite: Admission to candidacy in teacher education.
- 4010. SECONDARY METHODS FOR TEACHING MUSIC.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies, classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of C or better; completion of at least one semester of MUS 3710 with a grade of C or better.
Subtitles:
01-instrumental
02-vocal
- 5000. SEMINAR IN MUSIC EDUCATION.** (3-3-0). Students will be required to participate in group discussions and individual conferences regarding current issues and research in music education. They will also investigate problems and/or special topics in their emphasis areas. Subjects for theses, performance documents and/or articles for publication will be explored.
- 5010. FOUNDATIONS OF MUSIC EDUCATION.** (3-3-0). This course will examine historical, philosophical, aesthetic, and pedagogical principles that have shaped American music education, as well as providing, examining, and offering resolutions to issues related to and within the context of contemporary music education.
- 5020. CURRENT ISSUES AND TRENDS IN MUSIC EDUCATION.** (3-3-0). This course will examine current issues and trends in music education, with particular emphasis on social and psychological foundations of contemporary American music education. This is a required foundation course for the professional music educator and will include topics relevant to music educators in the public and private sectors.
- 5030. MUSIC THEORY PEDAGOGY.** (3-3-0). The pedagogy of music theory in a classroom setting, including practical harmony, composition, form, keyboard skills, and aural skills. Prerequisite: Students must have fulfilled all music theory requirements for an undergraduate degree in music, and have passed the graduate music theory diagnostic exam or completed MUS 5010.
- 5040. ELEMENTARY/EARLY CHILDHOOD MUSIC LITERATURE AND MATERIALS.** (3-3-0). This course includes the examination and review of developmentally appropriate music literature and materials for early childhood and elementary music programs. This course is intended for graduate students in music education whose area of specialization is elementary music. Prerequisite: MUED 4110 or MUED 5110.

For Graduates Only

- 5100. SEMINAR IN MUSIC PEDAGOGY.** (3-2-0). Course content examines current principles, practices, and trends in the pedagogies of various instruments, music theory, conducting, voice, and music appreciation. Participants will explore methodologies and current trends in their areas of musical interest. Prerequisite or Corequisite: MUED 5900.
- 5110. ELEMENTARY MUSIC METHODS.** (3-3-1). Application of music methods to the teaching process; emphasis on effective teaching strategies including Orff, Kodaly, Suzuki, and Dalcroze pedagogies; classroom management and discipline, instructional clarity, teacher responsibilities inside and outside the classroom, multicultural and diverse populations. Includes a field experience component. Prerequisite: Admission to candidacy for degree in teacher education; completion of MUED 3140 with a grade of "C" or better.
- 5120. MARCHING BAND TECHNIQUES.** (3-3-0). Materials related to the development of the contemporary marching band program for high schools. Included will be the use of computer designed standard marching band competition drills, handbook, uniform purchase, band parent organizations and other related areas.
- 5200. ADMINISTRATION AND SUPERVISION OF INSTRUMENTAL GROUPS.** (3-3-0). Organization and administration of public school bands and orchestras; rehearsal methods and techniques; library systems; program planning and building, and substitutions of instruments; plans and techniques of class instrument instruction; selecting, buying, and caring for school instruments; marching-band problems.
- 5230. BAND DIRECTORS WORKSHOP.** (3-3-0).
Subtitles:
01-advanced marching band techniques
02-rehearsal techniques
03-instrument clinic
04-instrument repair
05-materials and literature
- 5270. ADMINISTRATION AND SUPERVISION OF VOCAL MUSIC GROUPS.** (3-3-0). Choral ensemble; organization; rehearsal and vocal techniques. Improvement of instruction; public relations; problems in scheduling, budget, and finance.
- 5400. RESEARCH PROBLEMS.** (1 to 3-3-0). For students pursuing the papers in lieu of thesis option for the Master of Music with a concentration in Music Education. Continuous enrollment is required until the papers are accepted by the graduate school. No more than six hours to be applied toward degree. Prerequisite: Consent of Instructor and MUED 5900.
- 5460. BAND LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- 5480. ORCHESTRAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- 5490. MUSICAL INSTRUMENTS FOR THE ELEMENTARY SCHOOL.** (3-3-0). Instruction in the Orff Instruments, ukulele and other instruments suitable for teaching in the elementary school. Music reading and use of chords for harmonizing approximately 150 songs. Prerequisites: 2100 or equivalent and consent of instructor.
- 5510. FIELD EXPERIENCE IN MUSIC EDUCATION.** (3-0-5). Practical application of teaching music in K-12 schools. Must be direct teaching experiences in vocal and/or instrumental music. Includes a minimum of 80 hours of field experience observing and teaching different grade levels and diverse populations of students.
- 5520. CHORAL LITERATURE FOR SCHOOLS.** (3-3-0). Prerequisite: Consent of instructor.
- 5550. CLASSROOM MUSIC.** (3-3-0). Music in the elementary classroom; philosophies, aims, concepts of music education; choosing and organizing teaching materials; development of skills in teaching music.
- 5600. GENERAL MUSIC.** (3-3-0). Philosophies and methods of the general music class as propounded by leading authorities in the field; music literature arranged and compiled especially for the general music class.

- 5620. LECTURE RECITAL DOCUMENT.** (2-0-0). This course is an extensive exploration of a subject that supports the lecture recital program. Within one final project option, MUED 5620 is used to partially satisfy the research requirements in the music education major. Requires a lecture recital document proposal and approval of the student's graduate committee. A candidate must be continuously enrolled in MUED 5620 until the lecture recital document is successfully defended and approved. Prerequisite: Candidacy in the music education degree; successful preparation of lecture recital document proposal by the end of the previous academic semester, approved and signed by the student's Graduate Committee, and placed on file in the Graduate School office. Corequisite: MUS 5620.
- 5900. INTRODUCTION TO MUSIC RESEARCH.** (3-3-0). Students will discuss and examine research methods commonly used in the study of music. Students will be expected to identify relevant references, build bibliographies, learn APA style, and develop methods and approaches to selecting a topic. A research paper is required. Prerequisite: Graduate standing in music or consent of instructor.
- 5910. ADVANCED RESEARCH METHODS IN MUSIC EDUCATION.** (3-3-0). Students will discuss and examine research methods commonly used in the study of music education, the principal sources of research information, and the challenges and usefulness of research in music education as it relates to informed practice. Students will be expected to identify relevant references, expand bibliographies started in the previous semester, write in APA, MLA, or Turabian style, explore quantitative, qualitative, historical, and philosophical research, and be able to discuss each of these methodologies. Students will explore the purpose of and gain a greater understanding of how research in music education can assist to inform good practice and help to create stronger teacher training programs. Students will also explore what future role research will play in their lives and careers as music educators and higher education instructors. Several small research papers will be required showing understanding of the various methodologies. A final, longer research paper is also required focusing on one (1) research methodology of choice. Prerequisite: Graduate standing in music, and a passing grade of C or better in MUED 5900.
- 5980. THESIS.** (3-3-0). Completion of this course will result in the successful defense and approval of the thesis to members of the candidate's committee. A candidate will be continuously enrolled in MUED 5980 until the thesis is successfully defended and approved. A maximum of six hours will be applied toward the degree. Prerequisite: Completion of the thesis proposal in the previous semester, and approval of Major Professor.

NURSING (NURA, NURB, NURG)

For Undergraduates Only

- 1050. HISTORY, ISSUES, AND TRENDS IN NURSING.** (1-1-0). A non-clinical course designed to introduce students to nursing; discusses historical and current issues in nursing and their effect on nursing practice. Topics included provide the basis for understanding the practice of nursing. Corequisites: Registration in or credit for English 1010, Mathematics 1020, Chemistry 1070, Biology 2220, University Studies 1000 or consent of the Dean.
- 1060. TECHNICAL NURSING TRANSITION.** (3-3-0). This course provides a framework for assisting transition from an LPN (LVN) to an associate degree nurse. Credit not allowed for more than one course from 1060 and 1050. Prerequisites: English 1010, University Studies 1000, Mathematics 1020, Biology 2220, Chemistry 1070, Communication 1010. Registration in or credit for English 1020, Mathematics 1060, Biology 2230, Biology 1130. Must meet Associate Degree Nursing Program admission criteria.

- 1100. INTRODUCTION TO NURSING.** (4-4-0). Provides the foundation upon which all subsequent nursing courses are developed. The nurse's role in meeting man's basic needs across the lifespan including an introduction to the nursing process and the concepts of comfort, rest, sleep, oxygenation, nutrition, and elimination. Prerequisites: successful completion of the first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1110, registration in or credit for English 1020, Mathematics 1060, Biology 2230. Enrollment is by selection process based on special admission criteria.
- 1110. INTRODUCTION TO NURSING SKILLS.** (3-0-9). Provides the foundation upon which subsequent technical skills are developed. Acquisition of competency in nursing skills in a supervised laboratory setting. Limited clinical laboratory practice will be arranged in selected health care agencies. Prerequisites: Successful completion of first semester of Associate Degree Nursing curriculum; fulfillment of Associate Degree Nursing Program admission criteria. Corequisites: 1100, registration in or credit for English 1020, Mathematics 1060, Biology 2230. Enrollment is by a selection process based on special admission criteria.
- 1500. NURSING CONCEPTS I.** (4-4-0). The nursing process in assisting clients across the lifespan to meet the basic needs of elimination, bowel and urinary, metabolism, mobility, and nutrition. Prerequisites: 1100, 1110. Corequisites: 1510, registration in or credit for Biology 2210 and a Social Science.
- 1510. APPLICATION OF THE NURSING PROCESS I.** (3-0-9). Application of the nursing process in the care of selected clients with threats to elimination, bowel and urinary, metabolism, mobility, and nutrition needs. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: 1100, 1110. Corequisites: 1500, registration in or credit for Biology 2210 and a Social Science.
- 2100. NURSING CONCEPTS II.** (5-5-0). The nursing process in assisting clients across the lifespan to meet the basic needs of the reproductive, psychological, and neurological systems. Prerequisites: 1500, 1510; or 1060. Corequisites: 2110, registration in or credit for Psychology 2050.
- 2110. APPLICATION OF THE NURSING PROCESS II.** (4-0-12). Application of the nursing process in the formulation and organization of care of selected clients with threats to the basic needs of safety and sexuality. Clinical laboratory practice in health care agencies will be arranged. Prerequisite: 1500, 1510; or 1060. Corequisites: 2100, registration in or credit for Psychology 2050.
- 2160. CULTURAL AND ETHICAL INFLUENCES ON HEALTH CARE.** (2-2-0). To provide a foundation for the provision of ethical, culturally sensitive health care. Professional values, cultural, and ethical influences on professional practice will be discussed. Prerequisite: Completion of the first semester of the BSN curriculum or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee admission to clinical nursing courses.
- 2170. METHODS OF MEDICATION DOSAGE CALCULATION.** (1-1-0). Application of mathematical methods to calculate medication dosages prescribed for clients across the lifespan. Prerequisite: Completion of the first two semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee admission to clinical nursing courses.
- 2500. NURSING CONCEPTS III.** (5-5-0). The nursing process in assisting clients across the lifespan to meet the basic needs of oxygenation, circulation, tissue perfusion, emergency care and disaster preparedness. Prerequisites: 2100, 2110. Corequisites: 2510, registration in or credit for NURA 2550 and FA 1040.
- 2510. APPLICATION OF THE NURSING PROCESS III.** (5-0-15). Application of the nursing process in the formulation, organization, and evaluation of care for selected groups of clients with threats to oxygenation/circulation and other threats to basic needs. Principles of client management will be included. Prerequisites: 2100, 2110. Corequisites: 2500, registration in or credit for NURA 2550 and FA 1040.
- 2550. HUMANISTIC NURSING CARE.** (1-1-0). Designed to sensitize students to the psychosocial and cultural implications of humanistic nursing care and to provide a study in communication skills. Prerequisites: 2100, 2110. Corequisites: Registration in or credit for 2500, 2510 or consent of the Dean of the College of Nursing and Allied Health.
- 3030. NURSING AS A PROFESSION.** (3-3-0). Introduction to professional nursing within the health care system. Nursing process, critical thinking, communication, and teaching-learning processes of nursing are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first two semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3040. FOUNDATIONS OF NURSING.** (3-3-0). Basic concepts essential to administration of safe and effective nursing care to individuals. Prerequisite: Completion of first three semesters of the B.S.N. curriculum pattern, admission to B.S.N. clinical components or consent of the Dean of the College of Nursing and Allied Health. Credit or registration in NURB 3060, 3061. Corequisite: NURB 3041.
- 3041. FOUNDATIONS OF NURSING PRACTICUM.** (2-0-6). Supervised performance of basic nursing activities in health care settings. The focus of care is the individual. Clinical practice is planned to provide students with opportunities to apply the nursing process, communication skills, and psychomotor skills to perform basic nursing activities. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing and Allied Health. Registration in or credit for NURB 3060, 3061. Corequisite: NURB 3040.
- 3050. CONCEPTS OF ALTERED HEALTH STATES.** (3-3-0). Provides the nursing student with foundational knowledge of selected alterations in body functions which result in changes in health status. Prototype pathophysiologic processes are introduced. Prerequisite: Must meet eligibility requirements for application to clinical nursing courses including completion of the first two semesters of the B.S.N. curriculum pattern, 2.7 GPA in courses required for the B.S.N. degree or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee enrollment in clinical nursing courses.
- 3060. HEALTH ASSESSMENT ACROSS THE LIFESPAN.** (2-2-0). The knowledge and techniques related to physical assessment of clients across the lifespan with an emphasis on expected findings. Prerequisite: Completion of the first three semesters of the B.S.N. curriculum, admission to B.S.N. clinical component or consent of the Dean of the College of Nursing and Allied Health. Co-registration in or credit for NURB 3040, 3041. Corequisite: NURB 3061.
- 3061. HEALTH ASSESSMENT AND BASIC LIFE SKILLS ACROSS THE LIFESPAN.** (2-1-3). Supervised performance of techniques related to physical assessment of clients across the lifespan and basic nursing activities in a laboratory setting. Prerequisite: Completion of the first three semesters of the BSN curriculum, admission to BSN clinical component or consent of the Dean of the College of Nursing and Allied Health. Coregistration in or credit for NURB 3040, 3041. Corequisite: NURB 3061.

3100. **TRANSITION TO PROFESSIONAL NURSING.** (3-3-0). A non-clinical course. This course provides the framework for assisting the transition from technical nurse to professional nurse. Credit not allowed for more than one course from 3100 and 3070. Prerequisite: Completion of the first two semesters of general education courses in the Bachelor of Science in Nursing curriculum.
3110. **PATHOPHYSIOLOGY FOR RN'S.** (3-3-0). Concepts of pathophysiology and manifestations of diseases and how the body adapts. Provides a foundation for critical thinking and decision making related to health care. Pre or corequisites: Admission to the RN to BSN program, NURB 3140 or permission of the dean.
3112. **INDEPENDENT STUDY FOR REGISTERED NURSES.** (1 to 3-3-0). Supervised self-directed study to explore selected issues affecting professional nursing practice. Prerequisites: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
3122. **DIMENSIONS OF PROFESSIONAL NURSING.** (4-4-0). Professional, socioeconomic, ethical, legal, and legislative issues influencing professional nursing practice. Pre or Corequisites: Admission to the RN to BSN program, NURB 3140, or consent of the dean.
3130. **ADULT HEALTH NURSING.** (3-3-0). Explores the application of the nursing process to adults experiencing surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardiovascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Successful completion of all courses in the first four semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Registration in or credit for NURB 3150, 3160. Corequisite: NURB 3141.
3140. **INFORMATICS FOR RN'S.** (2-2-0). Concepts of nursing informatics and healthcare information management. The application of these concepts and technologies as they apply to the practice of nursing. Prerequisite: Admission to the RN to BSN program, limited to registered nurses or consent of the dean.
3141. **ADULT HEALTH NURSING PRACTICUM.** (4-0-12). Application of the nursing process in acute care and community-based environments to care for adults with surgical, immune, nutritional, hepatic, endocrine, oxygenation, cardiovascular, urinary elimination, mobility, and sensory-perceptual problems. Prerequisite: Completion of the first four semesters of the B.S.N. curriculum or consent of the Dean of the College of Nursing and Allied Health. Registration in or credit for NURB 3150, 3160. Corequisite: NURB 3130.
3142. **GERONTOLOGY FOR REGISTERED NURSES.** (2-2-0). This course will examine aging process, theories, trends and research in the aging adult. Discuss the role of the professional nurse in caring for the older adult in a variety of health care settings. Pre or corequisite: Admission to the RN to BSN program, NURB 3140 or consent of the dean.
3150. **PHARMACOLOGY IN NURSING.** (3-3-0). An overview of the basic principles of pharmacology for the registered nurse. A review of major drug classifications will include an emphasis on nursing implications. Prerequisite: Successful completion of the first four semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health.
3160. **RESEARCH IN NURSING.** (2-2-0). This course will examine the elements of the research process and evidence-based practice process to prepare the student to be a consumer of research. Emphasis on developing skills for systematic appraisal of the credibility of the finding of a single research study and determining applicability of finding to nursing practice. Prerequisite: Successful completion of courses listed in the first clinical semester of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: PSYC 4400 (may be completed prior to enrollment).
3201. **EXPERIENCES IN CLINICAL NURSING PRACTICE.** (4-0-12). This course is designed to expand current clinical knowledge and skills through one-on-one nurse-student interactions within the patient care setting. Clinical experiences will focus on enhancing clinical skills, implementing the nursing process, and developing the professional role. The student will increase clinical competency by experiencing pragmatic nursing practice. Prerequisites: Completion of either Nursing 2100 and Nursing 2110; or Nursing 3220 and Nursing 3221; or Nursing 3230 and Nursing 3231; or permission of the Dean of the College of Nursing and Allied Health.
3220. **CHILD HEALTH NURSING.** (2-2-0). Child health promotion, assessment, and nursing management from infancy through adolescence. To include developmental considerations, family theories, sociocultural factors, age-related risks to health, and common childhood health problems. Emphasis on the nurse advocacy role in individual, family based, and societal issues of child health. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 3221.
3221. **CHILD HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process to the care of children and families in acute care and community based settings. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 3220.
3223. **HEALTH ASSESSMENT FOR REGISTERED NURSES.** (3-2-3). Theoretical foundations and clinical skills related to biophysical, psychological, spiritual, sociocultural and risk assessment of individuals across the lifespan. Prerequisite – Corequisite: NURB 3140 or consent of the dean.
3225. **EDUCATIONAL IMPLICATIONS FOR PROFESSIONAL NURSING.** (2-2-0). Basic principles of teaching and learning; characteristics of the learner, learning needs assessment, and techniques/strategies for planning, implementing, and evaluating patient and staff educational activities. Prerequisite: Limited to registered nurses that have completed the first semester of the curriculum pattern or consent of the Dean.
3230. **CARE OF WOMEN AND THE CHILDBEARING FAMILY.** (2-2-4). Explores theories, concepts, knowledge, and skills for comprehensive nursing care of women throughout the lifespan and the childbearing family. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: Successful completion of all courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 3231.
3231. **CARE OF WOMEN AND THE CHILDBEARING FAMILY PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for women through the lifespan and families adapting to childbearing. Prerequisite: Successful completion of courses in the first five semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 3230.
3240. **CARE OF THE OLDER ADULT.** (2-2-0). This course will examine the aging process, theories, trends and research in the aging adult. Discusses the role of the professional nurse in caring for the older adult in a variety of health care settings. Prerequisite: Successful completion of NURB 3130 and 3141 or consent of the Dean of the College of Nursing and Allied Health. Corequisite: Registration in or credit for 3220, 3221, 3230, 3231, 3260.

- 3260. NURSING INFORMATICS.** (2-2-0). An introduction to nursing informatics with a focus on development of basic informatics competencies for the beginning nurse. Emphasis is on ways nursing knowledge is acquired, processed, generated, and disseminated as well as on the management of nursing data and information within an electronic environment. Prerequisite: Successful completion of courses listed in the Junior year of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: Registration in or credit for 3220, 3221, 3230, 3231, 3240.
- 3330. NURSING RESEARCH I FOR REGISTERED NURSES.** (2-2-0). The systematic examination of the research process. The concept of evidenced-based practice and its application to nursing is critically examined. Prerequisite: NURB 3122, 3140, or consent of the dean. Pre - or corequisite: PSYC 4400 or consent of the dean.
- 3340. NURSING RESEARCH II FOR REGISTERED NURSES.** (2-2-0). Application of nursing research to evidenced based practice. Research studies are critiqued and analyzed for the identification of best nursing practice. Pre - or Corequisite: 3330.
- 4120. COMPLEX NURSING CARE.** (3-3-0). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute, complex health crisis. Prerequisite: Successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4121.
- 4121. COMPLEX NURSING CARE PRACTICUM.** (2-0-6). Nursing care of the individual with acute/complex health problems. Application of the nursing process is directed towards assisting individuals and families cope with acute health crisis. Prerequisite: Successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern. Corequisite: 4120.
- 4130. PSYCH-MENTAL HEALTH NURSING.** (2-2-0). Application of the nursing process to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4131.
- 4131. PSYCH-MENTAL HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process in acute care and community based settings to assist individuals and families cope with mental health problems. Prerequisite: Successful completion of the courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4130.
- 4190. COMMUNITY BASED NURSING FOR REGISTERED NURSES.** (3-3-0). Theoretical basis for comprehensive nursing care to individuals, families, and communities. Emphasis is on health promotion, risk reduction, disease prevention, and health care management across the life-span in community based settings. Pre or corequisites: NURB 3330, 3340, or consent of the dean.
- 4191. COMMUNITY BASED NURSING PRACTICUM FOR REGISTERED NURSES.** (4-0-12). Clinical course with emphasis on providing comprehensive nursing care to individuals, families, groups, and communities. Emphasis is on health promotion, risk reduction, disease prevention and health care management across the life-span in community based settings. Prerequisite: Completion of the first six semesters of the curriculum pattern or consent of the dean. Pre - or corequisite: NURB 4190 or consent of the dean.
- 4220. COMMUNITY HEALTH NURSING.** (2-2-0). Explores theories, concepts, knowledge, and skills for nursing care of aggregates and communities. Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4221.
- 4221. COMMUNITY HEALTH NURSING PRACTICUM.** (2-0-6). Application of the nursing process, incorporating critical-thinking, communication skills, and therapeutic nursing interventions are emphasized when caring for aggregates and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4220.
- 4230. HEALTHCARE MANAGEMENT.** (3-3-0). An introduction to application of theories of leadership, change, and management to promote effective healthcare to individuals, families, groups, and communities. Prerequisite: Successful completion of courses listed in the first six semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: NURB 4120, 4121, 4130, 4131.
- 4231. TRANSITION TO PROFESSIONAL PRACTICE.** (4-0-12). Application of theories of leadership, change, and management to provide effective nursing care to individuals, families, groups, and communities. Prerequisite: Successful completion of courses listed in the first seven semesters of the B.S.N. curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4240.
- 4240. NURSING SENIOR SEMINAR.** (2-2-0). Application and assessment of knowledge and skills in preparation for taking the National Licensure Exam (NCLEX-RN), and further examination of management and leadership strategies to assist in transition from role of student nurse to professional nurse. Prerequisite: Successful completion of courses listed in the first seven semesters of the BSN curriculum or consent of the Dean of the College of Nursing and Allied Health. Corequisite: 4231.
- 4290. LEADERSHIP AND MANAGEMENT FOR REGISTERED NURSES.** (3-3-0). Theories and principles of leadership and management as applied to the delivery of health care to individuals, families, groups, and communities. Pre - or corequisite: NURB 3330, 3340, or consent of the dean.
- 4291. LEADERSHIP AND MANAGEMENT PRACTICUM FOR REGISTERED NURSES.** (4-0-12). Application of leadership and management theories and principles to the delivery of health care to individuals, families, groups, and communities. Pre - or corequisite: NURB 4290 or consent of the dean.
- 4700. HEALTH CARE INFORMATICS: INFORMATION MANAGEMENT FOR HEALTH CARE PROFESSIONALS.** (3-2-2). Introduction to theories, concepts, and technology application essential to identifying, collecting, processing, and managing data and information to support health care practice, administration, education, research and the expansion of knowledge within the evolving technology-rich health care environment. Prerequisite: Graduate standing or permission of instructor. Undergraduate: Completion of one clinical semester (basic computer skills beneficial, but not required).
- 4950. SPECIAL TOPICS IN NURSING.** (3-3-0). Supervised self-directed study to increase theoretical knowledge in planning, implementing and evaluating nursing care. Prerequisite: Two semesters of clinical nursing courses. May be repeated for credit when topic varies.
Subtitles:
80-Nursing Process Review Seminar
81-Nursing Process Review Seminar
82-Transcultural Nursing
83-Gerontological Nursing

- 5000. ORIENTATION TO GRADUATE NURSING.** (0-1-0). This introductory course is designed to facilitate transition into the role of the successful graduate nursing student. The knowledge and foundational skills which include such elements as competencies in writing, communicating, and information literacy, various learning modalities, and responsibilities will be reviewed. Prerequisite: Admission to the graduate nursing program. Corequisite: Must be concurrently enrolled in at least one three (3) credit hour graduate nursing course.
- 5010. RESEARCH IN NURSING.** (3-3-0). Scientific investigation; classifications of research; analysis and interpretation. Developing a research design to investigate a nursing problem. Application of an Evidence-Based Practice model for research appraisal. Prerequisites: Basic statistics course (may be taken concurrently) and graduate standing.
- 5030. HEALTH CARE LAW AND ETHICS.** (3-3-0). Exploration of legal and ethical issues relevant to advanced nursing practice. A seminar designed to explore the legal and ethical issues that arise in the provision of health care in the United States. Prerequisite: Graduate standing or with permission of the dean.
- 5040. ADULT-GERONTOLOGY NURSING I.** (3-2-6). Guided experience in application of the nursing process with adult-geriatric clients in selected settings. Systematic inquiry and hypothesis testing. Nursing intervention at primary, secondary, and tertiary levels. Prerequisites: registration in or credit for 5120 and 5280.
- 5050. ADULT-GERONTOLOGY NURSING II.** (3-2-6). Application, synthesis, and evaluation of knowledge, theories, and principles that create new, dynamic relationships for improving care of the adult-geriatric client. Intervention priorities, innovative approaches, evaluation of outcomes. Prerequisite: 5040.
- 5060. PRACTICUM IN TEACHING.** (3-0-12). Seminar in theory, critical thinking and analysis with guided experiences in the use of teaching strategies. Prerequisites: 5090 and six hours in a clinical sequence of courses. With consent of advisor, 5090 and second clinical course may be taken concurrently.
- 5070. EVALUATION OF NURSING EDUCATION.** (3-3-0). Methods of evaluation, with emphasis on test preparation and clinical performance appraisal. Prerequisite: Registration in or credit for Psychology 4400.
- 5080. INDEPENDENT STUDY.** (3-3-0). Selected nursing practice problems. Problem and mode of study agreed upon by student and instructor. Prerequisite: Graduate standing and instructor approval.
- 5090. CURRICULUM DEVELOPMENT IN NURSING EDUCATION.** (3-3-0). Theories and procedures. Philosophy, program objectives and conceptual framework development. Prerequisite: Graduate standing.
- 5100. SOCIAL FORCES AND NURSING PRACTICE.** (3-3-0). Social forces affecting the health care system; exploration and evaluation of concerns germane to contemporary nursing and the role of the masters prepared nurse. Prerequisite: Graduate standing.
- 5110. LEADERSHIP IN HEALTHCARE.** (3-3-0). Administration concepts, principles and theories which relate to communication, decision-making, power, change and leadership. Prerequisite: Admission to Graduate School.
- 5120. THEORY ORIENTED NURSING PRACTICE.** (3-3-0). Nursing theory development as basis for nursing practice. Systematic description, prediction and control of clinical phenomena in the generation of testable hypotheses about nursing. Prerequisite: Graduate standing.
- 5130. TOPICS IN NURSING.** (3-3-0). Specialized studies in nursing to meet specific learning needs of students. Prerequisite: Graduate standing. May be repeated once for credit.
- 5140. LEADERSHIP ROLE DEVELOPMENT.** (3-0-9). Practicum in role development for decision making, accountability, planning, change, and evaluation. Prerequisites: 5110, six hours in the clinical sequence.
- 5150. CRITICAL CARE NURSING OF THE ADULT-GERONTOLOGY CLIENT I.** (3-2-6). Advanced concepts in nursing assessment and intervention in the presence of pathology and trauma in the adult-geriatric client. Prerequisites or Corequisites: 5120, 5280.
- 5160. CRITICAL CARE NURSING OF THE ADULT-GERONTOLOGY CLIENT II.** (3-2-6). Advanced concepts in nursing assessment and intervention in the presence of pathology and trauma of the adult-geriatric client. Prerequisite: 5150.
- 5170. PRACTICUM IN CLINICAL NURSING.** (3-0-18). Application, synthesis and evaluation of knowledge and activities in the varied roles of the clinical nurse specialist. Prerequisite: 5190.
- 5190. TOPICS IN ADVANCED CLINICAL NURSE SPECIALIZATION.** (3-0-18). A guided clinical experience in selected settings for Adult-Gerontology, Critical Care Adult-Gerontology, Maternal Child Clinical Nurse Specialists students. Prerequisite: 6 hours in a clinical sequence of courses.
- 5210. NURSING ADMINISTRATION II.** (3-3-0). Study of advanced nursing administration concepts including financial management, legal issues, risk management, quality assurance and personnel management. Prerequisite: Graduate standing.
- 5220. ROLE OF THE NURSE EDUCATOR.** (3-3-0). The competencies and role of the nurse educator as scholar, practitioner, and educator are explored. Consideration is given to learning theories, legal and ethical issues and resources utilized for integration into classroom and clinical settings. Prerequisite: Graduate standing.
- 5260. CLINICAL SKILLS I FOR THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (1-0-3). Practical applications and strategies for learning beginning skills of diagnostic testing and performing technical skills relative to advanced practice. Prerequisite: 5700, 5280; Corequisite: 5850 or 5330 or 5410 or 5780 or 5610. Subtitles:
80-Clinical Skills I for the Family Nurse Practitioner.
81-Clinical Skills I for the Pediatric Nurse Practitioner.
82-Clinical Skills I for the Women's Health Nurse Practitioner.
83-Clinical Skills I for the Acute Care Nurse Practitioners in Clinical Practice.
84-Clinical Skills I for the Neonatal Nurse Practitioner in Clinical Practice.
- 5270. CLINICAL SKILLS II FOR THE NURSE PRACTITIONER IN CLINICAL PRACTICE.** (1-0-3). Practical applications and strategies for learning advanced skills of diagnostic testing and performing technical skills relative to advanced practice. Prerequisites: 5260 and 5780 or 5420 or 5850 or 5340 or 5650. Corequisites: 5770 or 5430 or 5860 or 5350 or 5670. Subtitles:
80-Clinical Skills II for Family Nurse Practitioners.
81-Clinical Skills II for Pediatric Nurse Practitioners.
82-Clinical Skills II for Women's Health Nurse Practitioners.
83-Clinical Skills II for the Acute Care Nurse Practitioner in Clinical Practice.
84-Clinical Skills II for the Neonatal Nurse Practitioner in Clinical Practice.
- 5280. ADVANCED HUMAN PHYSIOLOGY AND PATHOLOGY FOR ADVANCED PRACTICE NURSES.** (3-3-0). The analysis, evaluation, synthesizing and integration of advanced human physiology and pathology concepts for the advanced practice nurse. Prerequisite: Graduate standing.
- 5300. REPRODUCTIVE PHYSIOLOGY.** (1-1-0). Concepts of advanced physiology of human reproduction and embryology, with emphasis on female and male reproductive tract physiology, reproductive endocrine function, and embryological and fetal development, for application in Advanced Nursing Practice. Prerequisite: Graduate standing.

- 5310. MATERNAL-CHILD AND FAMILY NURSING I. (3-2-6).** Client care problems in maternal-child health care settings. Formulation and testing of hypotheses of nursing intervention. Conceptual framework derived from the Neuman health care systems. Prerequisite: Registration in or credit for 5120, 5280.
- 5320. MATERNAL-CHILD NURSING II. (3-2-6).** Formulation and testing of hypotheses of nursing intervention. Synthesis and evaluation of advanced nursing knowledge and clinical competence in the practice of maternal-child nursing. Prerequisite: 5310.
- 5330. WHNP I. CARE OF THE WELL WOMAN ACROSS THE LIFESPAN AND THE LOW RISK OBSTETRIC CLIENT. (3-2-7).** The theoretical and clinical basis for management of health care needs of essentially well women through the life cycle, including low risk pregnant women. Prerequisite: 5120, 5280, 5700, 5820. Corequisite: 5010, 5260, 5710, 5830. Closed registration; by selection only.
- 5340. WHNP II. CARE OF THE WOMAN WITH OBSTETRIC AND GYNECOLOGIC PROBLEMS. (3-2-7).** The theoretical and clinical basis for management of health care needs of women experiencing obstetric and gynecologic deviations from wellness through the life cycle. Prerequisite: 5330.
- 5350. WHNP III. CARE OF THE WOMAN WITH NON-REPRODUCTIVE PRIMARY CARE PROBLEMS. (3-2-7).** The theoretical and clinical basis for management of health care needs of women experiencing common acute and chronic non-reproductive health problems/illnesses throughout the life cycle, including certain vulnerable populations. Prerequisite: 5340. Corequisites: 5270, 5840.
- 5360. WHNP IV. CLINICAL PRECEPTORSHIP. (3-0-21).** Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Women's Health Nurse Practitioner and refine competencies in clinical judgment and management of the health care of women throughout the life cycle with special focus in underserved areas. Students are required to be continuously enrolled in 5360 until all clinical hours are completed and approved. Prerequisites: 5270, 5350, 5840.
- 5400. THEORETICAL FOUNDATIONS OF ROLE DEVELOPMENT IN CLINICAL NURSE SPECIALIZATION. (3-3-0).** Theories of role development and change for the clinical nurse specialist as consultant, leader, researcher, practitioner and teacher. Prerequisite: Graduate standing.
- 5410. ADULT GERO ACNP I. ACUTE CARE MANAGEMENT OF THE ADULT-GERIATRIC CLIENT. (3-2-7).** The theoretical and clinical basis for the management of acute care health needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820. Corequisites: 5010, 5260, 5710, 5830.
- 5420. ADULT GERO ACNP II. EMERGENT AND TRAUMA CARE OF THE ADULT-GERI CLIENT. (3-2-7).** The theoretical and clinical basis for the advanced practice management of emergency and trauma health care needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820, 5410, 5010, 5260, 5710, 5830. Corequisites: 5100, 5810.
- 5430. ADULT GERO ACNP III. CRITICAL CARE MANAGEMENT OF THE ADULT-GERI CLIENT. (3-2-7).** The theoretical and clinical basis for the advanced practice management of critical care health needs of adults through the life cycle. Prerequisites: 5120, 5280, 5700, 5820, 5410, 5010, 5260, 5710, 5830, 5810, 5100, 5420. Corequisites: 5950, 5840, 5270.
- 5440. ADULT GERO ACNP IV. CLINICAL PRECEPTORSHIP. (3-0-21).** Clinical preceptorship in selected clinical sites in internal medicine, emergency/trauma and intensive care areas with opportunities to refine the role of the Acute Care Nurse Practitioner and refine competencies in clinical judgment and management of the acute health care needs of the adult client. Prerequisites: 5270, 5430.
- 5700. METHODS OF CLINICAL NURSING ASSESSMENT. (3-2-6).** Advanced health assessment of infants, children, adults, prenatal and elderly with emphasis on data collection, differential diagnosis, and establishing priorities for health maintenance and prevention. Prerequisite: Graduate standing and registration in or credit for 5280. Must be accepted into nurse practitioner curriculum or with faculty approval. Corequisite: 5820 or with faculty approval.
- 5710. PHARMACOTHERAPEUTICS. (3-3-0).** Study of clinical pharmacological therapeutics for advanced nursing practice. Prerequisite: Graduate standing.
- 5770. FNP I. CARE OF EXPECTANT FAMILIES, CHILDREN AND ADOLESCENTS. (3-2-7).** Management of expectant parents and common acute, chronic and rehabilitative primary health problems of neonates through adolescence. Prerequisites: 5700, 5280, 5820, and 5120. Corequisite: 5830. Closed registration; by selection only.
- 5780. FNP II. CARE OF THE ADULT CLIENT. (3-2-7).** Management of health and common acute, chronic and rehabilitative primary health problems of young adults to senescence. Prerequisites: 5770, 5710.
- 5790. FNP III. CARE OF THE GERIATRIC CLIENT. (3-2-7).** Management of common acute, chronic, and rehabilitative primary health problems of the elderly. Prerequisite: 5770. Corequisite: 5840.
- 5800. FNP IV. CLINICAL PRECEPTORSHIP. (3-0-21).** Clinical preceptorship in selected clinical sites with opportunities to refine the role of the family nurse practitioner and develop competency in clinical judgment. Prerequisites: 5840, 5790. Students are required to be continuously enrolled in 5800 until all clinical hours are completed and approved.
- 5810. FAMILY DYNAMICS FOR ADVANCE NURSING PRACTICE. (3-3-0).** Examination of theories of family and the dynamics influencing family life, role behavior, coping, change and challenge. Emphasis is on strategies to assess and promote primary family health to formulate a nursing practice framework. Prerequisite: Registration in or credit for 5120.
- 5820. INTRODUCTION TO THE ROLE OF THE NURSE PRACTITIONER. (2-2-0).** The social, professional, and legal forces which structure and affect the implementation of the role and role competencies of the nurse practitioner. Prerequisite: Acceptance into a nurse practitioner concentration.
- 5830. ROLE OF THE NURSE PRACTITIONER IN CLINICAL PRACTICE. (1-1-0).** Analysis of the professional role of the nurse practitioner in clinical practice; focus is on the theoretical practice framework, therapeutic nurse-client relationship, clinical decision making process, management processes, methods of communicating client status, case management, practice protocols and guidelines and management concepts related to the client's wellness/illness state. Prerequisite: 5820. Corequisites: 5330 or 5650 or 5780 or 5850 or 5410.
- 5840. ROLE OF THE NURSE PRACTITIONER IN BUSINESS PRACTICE. (1-1-0).** Practical applications and strategies for marketing self as an advanced practitioner of nursing, developing professional, entrepreneurial, political and legal acuity. Analyze health care policy to determine current and future directions of self as a nurse practitioner provider. Prerequisite 5830. Corequisite: 5350 or 5670 or 5790 or 5870.
- 5850. PRIMARY CARE PNP I. CARE OF THE WELL CHILD. (3-2-7).** Management of well child care, developmental problems, communicable diseases, and common acute and chronic illnesses and emergencies of the respiratory, gastrointestinal, and urinary systems in children from birth through school age. Prerequisites: 5120, 5280, 5700, 5820. Corequisite: 5010, 5260, 5710, 5830. Closed registration; by selection only.

5860. PRIMARY CARE PNP II. CARE OF THE CHILD WITH ACUTE AND CHRONIC ILLNESS. (3-2-7). Management of common acute and chronic illnesses and emergencies of the eye, cardiovascular, hematological, immune, endocrine, musculoskeletal, and neurological systems in children birth through school age. Prerequisite: 5010, 5260, 5710, 5850, 5830. Corequisite: 5810.

5870. PRIMARY CARE PNP III. CARE OF THE ADOLESCENT. (3-2-7). Management of well adolescent care, psychosocial problems and acute and chronic illnesses and emergencies in adolescents and vulnerable populations. Prerequisite: 5860. Corequisite: 5840.

5880. PRIMARY CARE PNP IV. CLINICAL PRECEPTORSHIP. (3-0-21). Clinical preceptorship in selected clinical sites in rural and urban areas with opportunities to refine the role of the Pediatric Nurse Practitioner and refine competencies in clinical judgment and management of the health care of children of all ages in underserved areas. Students are required to be continuously enrolled in 5880 until all clinical hours are completed and approved. Prerequisite: 5870.

5900. SEMINAR IN NURSING RESEARCH. (1-1-0). May not be used to satisfy degree requirements.

5950. RESEARCH PROBLEMS. (1 to 3-3-0). No more than three hours may be applied to the degree. Students are required to be continuously enrolled in 5950 until the research project is completed and approved. Prerequisite: 5010.

5980. THESIS. (1 to 6-3-0). Students are required to be continuously enrolled in 5980 until the thesis is completed and approved. Prerequisite: 5010.

5995. RESEARCH SEMINAR. (1-1-0). The utilization of evidence based knowledge to provide high quality health care, initiate change, and improve nursing practice. Prerequisite: 5010.

5996. RESEARCH SEMINAR II. (2-2-0). The utilization of evidence based knowledge to develop a professional paper in lieu of thesis relative to the role of the masters prepared registered nurse. Closed registration. By selection only. Prerequisites: NURG 5010 and NURG 5995.

NUTRITION (NUTR)

For Undergraduates Only

1020. NUTRITION AND HUMAN NEEDS. (2-2-0). Principles of nutrition applied to meeting personal nutrition needs, preventing diet-related problems, and making sound food choices.

1030. HUMAN NUTRITION. (3-3-0). Principles of nutrition with application to health, physical and mental fitness and longevity.

1050. CHILD NUTRITION. (2-2-0). Nutritional needs and food habits from conception through childhood; helping children understand and apply nutrition concepts through food preparation.

3000. GERIATRIC NUTRITION. (3-3-0). A study of nutrition and aging, including assessment and treatment of changing digestive processes, decreased nutrient utilization, and nutritional deficiencies and overloads. Focus on the major nutrition-related diseases of the elderly. Prerequisites: 1030, Family and Consumer Sciences 3050 or consent of instructor.

3400. NUTRITION THERAPY. (3-1-4). Includes both theory and practical experience in developing nutrition care plans for treating and rehabilitating clients/patients with various diseases. It includes lessons on the nutrition care planning process, dietary assessment, and counseling skills. Prerequisites: 1030, Family and Consumer Sciences 3050, Biology 2230-2231.

ORGANIZATIONAL LEADERSHIP (ORGL)

For Undergraduates Only

3000. INTRODUCTION TO ORGANIZATIONAL LEADERSHIP PRINCIPLES AND CONCEPTS. (3-3-0). An overview of the principles, theories, models, and styles of organizational leadership. Analysis and assessment of personal leadership style, strengths and weaknesses.

3170. CONCEPTS AND TECHNOLOGIES OF ORGANIZATIONAL COMMUNICATION. (3-3-0). This course will explore the role that human communication, both oral and written, plays in structuring, maintaining, and changing organizational behavior. Students will examine the role that the social media, ethics, diversity, leadership, conflict resolution, and problem-solving can have on business and corporate outcomes.

ORIENTATION (OR)

For Undergraduates Only

1030. EDUCATIONAL AND VOCATIONAL GUIDANCE. (1-0-0). Assessment of individual abilities and interests; opportunities and requirements of major occupations. Required of all students enrolled in General Curriculum. Adds one semester hour to requirements for a degree.

1100. ORIENTATION LEADER SKILLS TRAINING. (3-3-0). Skills in small group processing and facilitating. Competencies in team building, peer mentoring and communication skills. Understanding policies and procedures of the University. Transitioning high school students to college. Prerequisite: Consent of instructor. May be repeated for a maximum of six hours.

2000. INTRODUCTION TO LEADERSHIP. (3-3-0). The course will provide students with theoretical, experiential, and practical applications of leadership; provide classroom training and discussion pertaining to basic leadership skills and abilities; and aid students in developing key leadership qualities. The course will focus on how leadership functions and how students will be better prepared to make a positive contribution within the campus community as well as in the workplace. Prerequisite: UNIV 1000 and/or consent of instructor.

PHILOSOPHY (PHIL)

For Undergraduates Only

1010. INTRODUCTION TO PHILOSOPHY. (3-3-0). Basic problems, arguments, and concepts of selected Western philosophers dealing with reality, knowledge, and moral values.

1020. WORLD RELIGIONS. (3-3-0). Doctrines, philosophies, and rituals of Hinduism, Buddhism, Taoism, Confucianism, Shinto, Judaism, Christianity, and Islam.

2020. ETHICS. (3-3-0). Comparison and contrast of leading ethical theories and their relation to practical morality.

2030. LOGIC. (3-3-0). Standards of reasoning, inductive and deductive, which allow well-ordered schemes of knowledge in the various sciences.

4030. AESTHETICS. (3-3-0). Philosophy of aesthetic experience; relation between integrity in self and in art; exploration of boundaries of art and science. Prerequisite: Three hours of philosophy or consent of instructor.

4060. BASIC PROBLEMS IN PHILOSOPHY. (3-3-0). Directed study and research on special topics in philosophy; selected philosophers and areas of specialization in philosophy. Prerequisite: Six semester hours of philosophy.

PHYSICS (PHYS)

For Undergraduates Only

- 1010. PHYSICS ORIENTATION.** (1-1-0). Specific information concerning scholastic resources, study skills, academic requirements, academic and intellectual content, job opportunities, academic advising, scholarship, and employment opportunities.
- 1120. ASTRONOMY.** (3-3-0). Celestial mechanics; gravitation and Kepler's Law; solar system; stars. Prerequisite: Six hours of science.
- 2030. GENERAL PHYSICS.** (3-3-0). Fundamental laws of mechanics, heat and sound. Prerequisites: Registration in or credit for 2031; Mathematics 1090.
- 2031. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: registration in or credit for 2030.
- 2040. GENERAL PHYSICS.** (3-3-0). Fundamental laws of electricity, magnetism, and optics; introductory atomic and nuclear physics. Prerequisites: Registration in or credit for 2041, 2030-2031.
- 2041. GENERAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 2040.
- 2200. PRACTICUM FOR PHYSICS TEACHING.** (1 to 3-0-0). Supervised experiences in teaching the physics laboratory. Required for secondary education majors with physics as a primary or secondary teaching area and recommended for physics majors contemplating a teaching career. One hour credit for each laboratory teaching experience. Field experiences required. May be repeated for up to a total of 3 credit hours. Prerequisite: Consent of department head.
- 2510. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Fundamental laws of mechanics, wave motion, heat and thermodynamics using differential and integral calculus. Prerequisites: Registration in or credit for 2511; Mathematics 2100.
- 2511. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 2510.
- 2520. GENERAL ANALYTICAL PHYSICS.** (4-4-0). Continuation of 2510. Electricity, magnetism, optics, atomic and nuclear physics. Prerequisites: Registration in or credit for 2521; 2510-2511.
- 2521. GENERAL ANALYTICAL PHYSICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 2520.
- 3010. ELECTRONICS.** (3-3-0). Basic electronics for scientists; DC and AC circuits; network theorems; basic electron tube circuits; basics of transistors; instrumentation. Prerequisite: 2520-2521 or 2040-2041.
- 3011. ELECTRONICS LABORATORY.** (1-0-3). Prerequisite: Registration in or credit for 3010.
- 3120. INTRODUCTION TO ASTROPHYSICS.** (3-3-0). Celestial mechanics, stellar structure, and galactic phenomena. Prerequisites: Two semesters of general physics, and Mathematics 2100.
- 3291. ADVANCED LABORATORY I.** (3-0-6). Mechanics, electrical measurements, heat, physical optics, atomic physics, nuclear physics. Prerequisites: 2520-2521; Mathematics 2110.
- 3301. ADVANCED LABORATORY II.** (3-0-6). Continuation of 3291. May be taken independently.
- 3400. MINICOMPUTER INTERFACING WITH SCIENTIFIC INSTRUMENTATION.** (3-3-0). Practical course dealing with the use of minicomputers in real-time data acquisition and control of scientific instruments. Prerequisite: A basic computer course or consent of instructor. (Same as Chemistry 3400.)
- 3710. THERMODYNAMICS.** (3-3-0). Laws of thermodynamics, kinetic theory of gases, transport properties, elements of statistical mechanics. Prerequisites: 2520-2521; Mathematics 2110.

- 3900. SPECIAL TOPICS IN PHYSICS.** (1 to 3-1 to 3-0). In depth study of various upper-level elective topics in physics; in particular, those not included explicitly among the catalog listings. Prerequisites: Two semesters of general physics, Mathematics 2100 or consent of instructor.
- 4100. MODERN PHYSICS.** (3-3-0). Topics in special theory of relativity, wave and particle description of matter, atomic, and nuclear physics. Prerequisites: Two semesters of general physics; Mathematics 2100.
- 4510. MECHANICS.** (4-4-0). Dynamics of a particle in one, two, and three dimensions; damped oscillator with arbitrary forcing; two-body problem; many-body problem; rigid body dynamics; small oscillations. Prerequisites: 2520-2521; credit for or registration in Mathematics 3130.
- 4900. UNDERGRADUATE SEMINAR.** (1-1-0). Student must present a seminar on a topic in physics approved by the instructor. No more than 2 hours may count toward the baccalaureate degree.
- 4920. INDIVIDUAL STUDY.** (2-0-6). Study in experimental or theoretical physics under supervision of a faculty member. Open to juniors and seniors; may be repeated any number of times; not more than four hours may be applied toward graduation. Prerequisite: Consent of department head.
- 4950. RESEARCH PROBLEMS.** (1 to 4-0-4). Individual research on problems not ordinarily included within the scope of regularly scheduled courses. Prerequisite: Consent of department head.
- 4980. SENIOR THESIS.** (2-0-6). Investigation of a problem in experimental or theoretical physics under supervision of a faculty member; results presented in formal report at scientific meeting or seminar. May be repeated any number of times. Prerequisite: Consent of department head.

¹ No more than two hours may be applied toward a minor or major in physics.

For Graduates Only

- 5000. GENERAL PHYSICS PRINCIPLES FOR TEACHERS.** (3-3-0). Principles of physics with emphasis on fundamental results and pedagogy. For teachers who need an overview of the basic ideas regarding forces, motion, conservation, and wave-particle duality.
- 5010. PHYSICS FOR SECONDARY TEACHERS.** (3-3-0). Principles of physics with application to secondary school physics. Current trends and literature in physics. Prerequisite: Twelve hours of physics.
- 5020. EXPERIMENTAL PHYSICS FOR TEACHERS.** (3-1-3). Development of laboratory techniques useful for a modern secondary laboratory in an internship setting. Design and implementation of original pedagogical experiments. Survey of laboratory experiments and demonstrations.
- 5090. PHYSICAL SCIENCE FOR ELEMENTARY AND SECONDARY TEACHERS.** (3-3-0). Teaching basic principles of physical science at the elementary and secondary level employing the inquiry method.
- 5950. RESEARCH PROBLEMS IN PHYSICS.** (1 to 6-0-0). Introduction to research and physics literature; investigation of an elementary research problem; laboratory and conferences as required. Results presented both in formal written report and orally, either in a departmental seminar or at a professional meeting. Prerequisite: Consent of department head.

¹ Credit may not be obtained in both Chemistry 5090 and Physics 5090.

POLITICAL SCIENCE (PSCI)

For Undergraduates Only

- 2010. **GOVERNMENT OF THE UNITED STATES.** (3-3-0). Federal government in the U.S.; government machinery and present tendencies toward modification; political parties and party governments.
- 2020. **STATE AND URBAN GOVERNMENT.** (3-3-0). State and urban government in the 50 states; southern and Louisiana government and politics.
- 2090. **INTRODUCTION TO GLOBAL POLITICS.** (3-3-0). Survey of the fundamental concepts, theories, and research approaches in the study of international relations.
- 3060. **PUBLIC ADMINISTRATION.** (3-3-0). Principles and processes of administering public policies; problems of personnel, finance, organization, extent of bureaucratic responsibility. Prerequisite: 2010.
- 3090. **CONSTITUTIONAL LAW.** (3-3-0). Major Supreme Court decisions interpreting the U.S. Constitution. Prerequisite: 2010.
- 4010. **PARLIAMENTARY GOVERNMENT.** (3-3-0). Principal examples of parliamentary government.
- 4060. **INTERNATIONAL LAW.** (3-3-0). Theories and contemporary issues pertaining to international law.
- 4070. **INTERNATIONAL ORGANIZATIONS.** (3-3-0). Theories, concepts, and contemporary issues pertaining to international organizations.
- 4080. **AMERICAN FOREIGN POLICY.** (3-3-0). Historical and institutional study of post-World War II American Foreign Policy; issues of post-Cold War era.
- 4090. **INTERNATIONAL RELATIONS.** (3-3-0). Major theories on international relations; post-World War II and current periods.
- 4390. **GLOBALIZATION.** (3-3-0). Technological changes have made it possible to create a world that is increasingly interconnected and aware. This phenomenon has had a multitude of effects on the ideas of sovereignty, nation, state borders, and security. This class will explore those effects and the changing role of state and non-state actors in global security.

PRE-LAW AND PARALEGAL STUDIES (PLPS)

For Undergraduates Only

- 3010. **INTRODUCTION TO LAW.** (3-3-0). Development of common and civil law traditions in the U.S.; trends in the legal profession; role of a legal assistant.
- 3020. **LEGAL RESEARCH.** (3-3-0). Methods and tools of legal research; primary and secondary sources of law.
- 3030. **LITIGATION.** (3-3-0). Differences in civil and criminal litigation; preparation and examination, under attorney supervision, of forms and documents relating to litigation.
- 3040. **ESTATES, TRUSTS, WILLS.** (3-3-0). Preparation of legal documents, under the supervision of attorney, associated with planning estates and other related matters.
- 3050. **CORPORATIONS.** (3-3-0). Preparation of initial and amended articles of incorporation and other documents and transactions pertaining to corporations.
- 3060. **REAL ESTATE AND MORTGAGES.** (3-3-0). Preparation and information regarding basic real estate transfers and associated documents; title searches, preparation of preliminary abstracts of titles, etc. under the supervision of an attorney.
- 3070. **FAMILY RELATIONS LAW.** (3-3-0). Preparation of documents, knowledge of procedures and other matters related to domestic relations law.
- 3080. **LAW OFFICE ADMINISTRATION.** (3-3-0). Approaches to the organization and efficient operation of the law office.

PSYCHOLOGY (PSYC)

For Undergraduates Only

- 1010. **GENERAL PSYCHOLOGY.** (3-3-0). Principles of psychology; human behavior; shaping of behavior and personality by interaction between individual and environment.
- 2040. **PSYCHOLOGY AS A PROFESSION.** (3-3-0). This course focuses on assisting psychology majors with their career planning and professional development issues. Students will be provided information designed to assist in the clarification, selection, and pursuit of academic and career goals in psychology or a related field. Topics will include an overview of the undergraduate curriculum in psychology, career options in psychology, preparation for employment with a bachelor's degree and graduate school, and applying for a job or to a graduate school. Prerequisite: 1010.
- 2050. **DEVELOPMENTAL PSYCHOLOGY.** (3-3-0). Physical, mental, social and emotional development of the individual; understanding human dynamics with respect to self and others.
- 2250. **PSYCHOLOGY OF GENDER.** (3-3-0). Surveys the psychological and social impact of sex differences, sex roles, and development of gender identity on behavior. Historical antecedents of gender differences, development of gender identity, and sex differences in performance, attribution, achievement, cognition, interpersonal behavior, psychopathology, and therapy response will be examined. Prerequisite: 1010.
- 2430. **INTRODUCTION TO EXPERIMENTAL METHODOLOGY.** (3-3-0). Introduction to basic experimental principles and methods of research design in psychology. Report writing in APA style and format. Prerequisite: 1010.
- 2450. **PERSONAL ADJUSTMENT AND DEVELOPMENT.** (3-3-0). Understanding and dealing with frustration, adjustment mechanisms, personal motivation, feelings and emotions; interpersonal adjustments; identifying and resolving common problems of conflict and adjustment in stages of life; self-understanding, self-acceptance, and maximum utilization of personal capacities and traits.
- 3010. **PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Functional organic and biochemical factors as determinants of personality and behavior; emphasis on the nervous and endocrine systems.
- 3020. **EXPERIMENTAL PSYCHOLOGY: LEARNING.** (3-3-0). Principles and basic experimental techniques in the study of human and animal learning. Experiments and report writing in APA style and format. Prerequisites: 1010, 2430.
- 3050. **DIVERSITY ISSUES IN PSYCHOLOGY.** (3-3-0). Current theory regarding the many types of diversity and relationship to mental health practice. Prerequisite: 1010.
- 3060. **SOCIAL PSYCHOLOGY.** (3-3-0). Individual in relationship to others; nature and development of personality; social behavior and adjustment. Experiments and report writing in APA style and format.
- 3080. **EXPERIMENTAL PSYCHOLOGY: MOTIVATION.** (3-3-0). Basic experimental techniques in the study of human and animal motivation. Experiments and report writing in APA style and format. Prerequisites: 1010, 2430.
- 3200. **POSITIVE PSYCHOLOGY.** (3-3-0). Positive Psychology explores the scientific study of human strengths and virtues. This course will examine human behavior that is effective, valuable, and positively contributes to human development and well-being. Prerequisite: 1010.
- 4020. **APPLIED SKILLS AND BEHAVIOR MODIFICATION.** (3-3-0). Introduction into the theory and practice of behavior modification and helping skills. Material will focus on the development of effective helping and interpersonal skills for interaction with clients as well as behavior modification theories, techniques, and applications. Prerequisite: Six hours of psychology.

- 4040. CHILDHOOD DISORDERS.** (3-3-0). Empirical survey of theoretical, treatment, and research issues in child psychopathology using the DSM classification system. Explores history, ethics, developmental factors, characteristics, causes, and treatment of childhood psychological disorders. Prerequisite: 1010, 2050.
- 4400. STATISTICS FOR PSYCHOLOGY.** (3-3-0). Statistical procedures employed in the description and interpretation of psychological, educational, and behavioral research data and measurement.
- 4410. PSYCHOLOGICAL TESTING AND MEASUREMENTS.** (3-3-0). Characteristics, interpretations, uses and misuses of standardized psychological tests; examples of each variety; development and use of objective tests, essay tests, rating scales, attitude scales. Prerequisite: 2430 and 4400.
- 4440. HISTORY OF PSYCHOLOGY.** (3-3-0). The roots of modern psychological thought, from its origins in philosophy and the natural sciences through the refinement of psychology in its current form. Emphasis will be on the personal experiences of the founders of the major schools of psychology (e.g. psychodynamic, humanistic, behavioral, etc.), and the cultural forces that shaped their theories. Prerequisite: 12 hours of psychology. Note: this course is a prerequisite for PSYC 4470.
- 4450. ABNORMAL PSYCHOLOGY.** (3-3-0). Nature and etiology of common deviant mental and emotional conditions; potentials for rehabilitation, readjustment, and learning. Prerequisite: 12 hours of psychology for majors; consent of head of department for non-majors; 12 hours of psychology or consent of department head of graduate non-psychology major.
- 4470. THEORIES OF PERSONALITY.** (3-3-0). Explores major approaches to personality theory, including psychodynamic, humanistic, behavioral, and cognitive systems. Provides an introduction to study of personality in the context of the classical, and more recent, theories that have shaped modern psychology. Prerequisite: 12 hours of psychology including the completion of PSYC 4440.
- 4490. INDEPENDENT PSYCHOLOGICAL RESEARCH.** (3-3-0). Student will design, conduct, and file a satisfactory report of an original psychological research project, under direction of the assigned advisor. Not limited to laboratory experimentation. Prerequisite: 2430, 4400, 12 hours in psychology.
- 4500. PSYCHOLOGY IN BUSINESS AND INDUSTRY.** (3-3-0). Psychological foundations of practices, procedures, and conditions in business and industry; psychological implications of work in relation to personality and culture.
- 4510. ETHICS IN PSYCHOLOGY.** (3-3-0). Ethical decision making in the practice of psychology. Focus will be given to the Ethical Principles and Standards of the American Psychological Association and application of these principles in solving ethical dilemmas.
- 4600. FIELD EXPERIENCE IN THE MENTAL HEALTH AGENCY.** (3-3-0). Nine to 12 hours per week working in a mental health facility. Prerequisites: Senior standing; 24 hours in psychology, including 4450 or 4470, consent of instructor.
- 4650. SEMINAR IN CURRENT TOPICS IN PSYCHOLOGY.** (3-3-0). Seminar in a selected, current topic. Topic will vary from semester to semester. Students will present a well researched paper in the specific topic. Course may be taken a maximum of two times. Prerequisite: Senior standing or consent of instructor.
- 4700. SEMINAR IN ALCOHOLISM.** (3-3-0). Current scientific information, materials, and techniques for dealing with alcoholism. Prerequisite: 4450, 12 hours in psychology.
- 4830. ADVANCED GENERAL PSYCHOLOGY.** (3-3-0). This is the capstone course for undergraduate psychology majors. This course will require graduating senior psychology majors to review and apply course content from the required psychology curriculum as well as successfully complete the Departmental Exit Exam. Prerequisite: Senior psychology majors only.
- 4900. PSYCHOLOGY AND FILM.** (3-3-0). An exploration of the interaction between popular films and psychology, specifically, the nature of common deviant mental and emotional conditions as viewed through the camera lens. Prerequisite: 4450.
- For Graduates Only
- 5100. PSYCHOLOGICAL RESEARCH: STATISTICS.** (3-3-0). Descriptive methods, statistical inference, correlation, multiple correlation, simple and multiple regression analysis, sampling distributions, analysis of variance and covariance, and nonparametric methods. Prerequisite: 4400.
- 5120. PSYCHOLOGICAL RESEARCH: DESIGN.** (3-3-0). Theory and application of experimental design in psychological research; design strategies in relation to hypotheses and statistical procedures. Prerequisite: 5100 or demonstrated competency.
- 5130. PSYCHOLOGICAL RESEARCH: ADVANCED APPLICATION.** (3-3-0). The major assignment for this course is to develop and submit a thesis proposal. This course is designed to synthesize the knowledge and skills developed in previous research courses and apply them to the graduate thesis process. Students will learn about all aspects of the process, as well as the standards and expectations, of developing and completing the thesis. Prerequisites: 5100 and 5120, or consent of instructor.
- 5200. THEORIES OF PSYCHOTHERAPY.** (3-3-0). A comparative introduction to the theories, techniques, and outcomes of major approaches to psychotherapy. Prerequisite: 4450 or 4470, or consent of instructor.
- 5240. INTRODUCTION TO CLINICAL PSYCHOLOGY.** (3-3-0). This course provides an orientation to the professional practice and science of clinical psychology. Prerequisite: Graduate standing.
- 5250. PSYCHOLOGICAL INTERVENTION AND THERAPY.** (3-3-0). An experiential-didactic course that teaches the skills, strategies, and self-awareness necessary to provide basic helping interventions. The course involves specification of helping skills and strategies and their conceptual bases, as well as demonstration, practice, and feedback of helping interventions. Particular foci will include the nature of the therapist-patient relationship, current research findings on the process and outcome of psychotherapy, and ethical issues. Prerequisites: 5200, 5750, or consent of the department head, and co-registration in or credit for 5260.
- 5260. PRACTICUM I: PSYCHOTHERAPY AND INTERVENTION.** (3-3-0). Supervised psychotherapy experience with the remediation of problematic behavior, interviewing, therapy, consultation and measurement of therapeutic outcome. Prerequisite: co-registration in or credit for 5250.
- 5270. PRACTICUM II: PSYCHOLOGICAL INTERVENTION AND THERAPY.** (6-0-6). Clinical students will complete 300-hours of field training in a range of mental health settings, including state-operated mental health facilities, community mental health centers, psychiatric units of private hospitals, and university-based student counseling centers. These practicum experiences will help students learn to apply classroom knowledge to the real-world service needs of the public. Prerequisites: 5200, 5250, 5260, 5300, 5320, and 5750 with at least a grade of "B" and consent of the student's graduate advisory committee. Must be completed with a grade of "B" or better in order to be used toward the Master's Degree.
- 5300. INTELLECTUAL ASSESSMENT.** (3-3-0). Administration, scoring, and interpretation of standardized psychometric instruments in evaluating individual intellectual functioning. Prerequisite: 4410 or Counseling and Guidance 5520, consent of instructor.
- 5320. PERSONALITY ASSESSMENT.** (3-3-0). Theory, rationale, and administration of objective personality assessment instruments for adults and adolescents. Prerequisites: 5750, 5300, or consent of the department head.

- 5400. GROUP AND FAMILY PSYCHOTHERAPY.** (3-3-0). Overview of the major theoretical and practical issues in group and family psychotherapy as they relate to the clinical setting. Development of basic skills in small group facilitation and strategies for family assessment and intervention. Prerequisites: 5750 and 5320.
- 5450. LEARNING AND COGNITION.** (3-3-0). This course is designed to provide general theoretical and practical knowledge in the foundational areas of both cognitive and behavioral psychotherapies. Prerequisite: Graduate standing.
- 5490. INDEPENDENT STUDY.** (1 to 3-0-0). May be repeated up to six hours. Only three hours may be counted toward degree credit in community and school psychology. May not be counted toward degrees requiring thesis. Prerequisite: 5100.
- 5500. EXTERNSHIP IN CLINICAL PSYCHOLOGY.** (3 to 12-0-0). Forty hours per week direct experience in an approved mental health setting under the supervision of a licensed psychologist. Application of appropriate intervention techniques; assessment tools and techniques; management of clinical cases. Prerequisites: 5200, 5250, 5300, 5320, and 5750 with at least a grade of B and consent of the student's graduate advisory committee. Must be completed with a grade of B or better in order to be used toward the master's degree.
- 5750. PSYCHOPATHOLOGY.** (3-3-0). Etiology, classification, and research methods relating to abnormal human behavior. Special emphasis in the course is placed on the use and practical limitations of the current diagnostic system. Prerequisite: 4450 or 4470.
- 5780. PHYSIOLOGICAL PSYCHOLOGY.** (3-3-0). Examination of the biological basis of behavior, with emphasis on underlying neural mechanisms. Surveys neuroanatomy, neurophysiology, and investigates how the nervous system produces various types of behavior. Prerequisite: 3010 or consent of instructor.
- 5781. ADVANCED PHYSIOLOGICAL PSYCHOLOGY LABORATORY.** (1-0-2). Laboratory to accompany PSYC 5780. Provides experience in the experimental analysis of nervous system process including action potential generation and propagation, synaptic transmission, and integration of synaptic information. Also covers neuroanatomy, including microanatomy of the nervous system and gross structure of mammalian brains, including human. Corequisite or prerequisite: PSYC 5780.
- 5830. EVOLUTIONARY PSYCHOLOGY.** (3-3-0). A critical review of ethologic and sociobiological basis of evolutionary psychology. Special emphasis on the theoretical basis for the evolution and maintenance of recombination and the empirical evidence for the evolutionary advantages of various mating systems.
- 5950. PSYCHOLOGICAL RESEARCH.** (3-3-0). Design, organization, and implementation of a research project (Paper-in-Lieu) under the direction of the student's major professor. Written paper and evaluation required. Prerequisites: 5120 and approval of clinical director.
- 5980. THESIS.** (3 to 6-0-0).
- 6000. ETHICS AND PROFESSIONAL CONDUCT.** (3-3-0). Exploration of appropriate behavior and ethical/moral issues to be anticipated in all aspects of practice as a psychologist, including therapy, diagnostics, assessment, research, and teaching. Course will include familiarization with ethical principles and code of conduct as well as some understanding of applicable Louisiana law.
- 6870. SEMINAR IN ADDICTION.** (3-3-0). This course provides an overview of contemporary scientific information, materials, and techniques for dealing with the culture of addiction (i.e., use, abuse, and dependency). Emphasis will focus on the culture of addiction and recovery by providing an in-depth understanding of screening, intake, orientation, assessment, diagnostic impression, treatment planning, case management, and intervention. Prerequisites: Bachelors degree in a Human Related Field and instructor's permission.

RADIOLOGIC SCIENCES (RADS)

For Undergraduates Only

- 2210. RADIOLOGY INTRODUCTION.** (2-2-0). History of radiology, department and hospital organization, code of ethics, medico-legal considerations, role of the technologist on the medical team, radiographic procedural introduction, medical terminology. Professional organizations of Radiologic Sciences and certification as well as basic radiation protection. Prerequisite: Successful completion of at least 30 hours of the first two semesters of the Radiologic Sciences Curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Enrollment in this course does not guarantee admission into Radiologic Sciences courses.
- 3300. RADIOGRAPHIC PRINCIPLES AND EQUIPMENT.** (3-3-0). Application of the principles of physics to radiography and radiologic equipment. Interactions of x-rays with matter, production of x-rays, electricity, magnetism, electromagnetism, equipment maintenance and operation. Introduction to advanced radiographic equipment. Prerequisite: RADS 2200 and 2210, or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 3310 and 3320.
- 3310. RADIOGRAPHIC POSITIONING I.** (4-3-3). Instruction in positioning nomenclature, anatomy, and physiology, radiographic positioning, and technical factors involving the upper limb, lower limb, chest, abdomen, bony thorax, shoulder girdle, and pelvic girdle. Radiographs will be presented and critiqued for film quality. Prerequisite: RADS 2200 and 2210, or the consent of the Dean of the College of Nursing. Corequisites: RADS 3300 and 3320.
- 3311. CLINICAL RADIOGRAPHY I.** (2-0-12). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis on professionalism, dependability, and radiographic examinations presented in RADS 3310. Prerequisites: Successful completion of the first four semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health.
- 3320. PATIENT CARE AND PHARMACOLOGY METHODS.** (3-2-3). Management of medical and surgical asepsis, patient assessment, patient history documentation, trauma, shock, urinary catheterization, venipuncture, patient transfer, and care of patients with medical equipment. The use of contrast media and drugs in the management of radiologic procedures will be discussed. Prerequisite: Successful completion of the first three semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisite: RADS 3300 and 3310.
- 3811. CLINICAL RADIOGRAPHY II.** (3-0-15). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice. Prerequisites: Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 3820, 3830, and 3840.
- 3820. RADIOGRAPHIC POSITIONING II.** (3-2-3). Instruction in positioning nomenclature, anatomy and physiology, radiographic positioning, and technical factors involving the digestive tract, urinary tract, vertebral column, skull, facial bones, and sinuses. Radiographs will be presented and critiqued for film quality. Prerequisite: Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 3830, 3811 and 3840.

- 3830. IMAGING PRINCIPLES.** (3-2-3). Radiographic exposure principles involved in radiographic quality. Exposure factors affecting density, contrast, and distortion. Conduct experiments to demonstrate radiographic exposure principles. Prerequisite: Successful completion of the first five semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 3820, 3811, and 3840.
- 3910. SECTIONAL ANATOMY.** (3-3-0). Presentation of human anatomy and pathology through the use of computed tomography, ultrasound and magnetic resonance images. Prerequisite: Successful completion of the first seven semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisite: RADS 4511.
- 3911. CLINICAL RADIOGRAPHY III.** (5-0-25). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on improving clinical practice and routine radiographic procedures. Prerequisite: Successful completion of the first six semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 4520 and 4530.
- 3920. RADIOGRAPHIC PATHOLOGY.** (3-3-0). Pathology terminology, disease processes and classifications. Pathology of various systems and its impact on radiographic technique. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health.
- 4510. ADVANCED RADIOGRAPHIC PROCEDURES.** (2-2-0). Advanced instruction in positioning nomenclature, radiographic pathology, anatomy and physiology, contrast media for advanced radiographic procedures. Advanced critique in evaluation of images for radiographic density/brightness, contrast, detail distortion and artifacts. Instruction of principles, physics and equipment employed in digital radiography and PACS. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 4611, credit or registration in RADS 3920 and 4610.
- 4511. CLINICAL RADIOGRAPHY IV.** (4-0-20). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Prerequisite: Successful completion of the first seven semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisite: Credit or registration in RADS 3910.
- 4530. RADIATION PROTECTION AND BIOLOGIC RESPONSES.** (2-2-0). Examines the interactions of radiation with matter; biologic effects of ionizing radiation; quantities and units; dose response curves, patient and personnel protection. Prerequisite: Successful completion of the first six semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 3911, credit or registration in RADS 4520.
- 4610. QUALITY MANAGEMENT.** (3-3-0). A study of quality control, and quality assurance programs used in radiology departments. Basic testing procedures for quality control will be demonstrated. Federal guidelines regulating quality control will also be presented. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: RADS 4611, credit or registration in RADS 3920 and 4510.
- 4611. CLINICAL RADIOGRAPHY V.** (5-0-25). Students will be supervised in a clinical education setting in order to perform basic radiographic examinations, patient care, and other radiographic processes. Emphasis will be placed on advanced clinical practice and the ability to adapt to various clinical situations. Prerequisite: Successful completion of the first eight semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisites: Credit or registration in RADS 3920, 4510 and 4610.
- 4620. ADVANCED PRACTICES IN RADIOGRAPHY.** (2-2-0). Overview of radiologic technology with an emphasis on integration and application of theory acquired in previous classes. Understanding medical law and ethics, types of law, state and federal regulations, health care professional liability, legal obligations, and patient rights. Explores current professional issues in radiologic science. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or consent of the Dean of the College of Nursing and Allied Health. Corequisites: Credit or registration in RADS 4710, 4711, and 4630.
- 4710. SPECIAL IMAGING.** (3-3-0). This introductory course will explore theoretical principles in Computed Tomography. Fundamentals, equipment and instrumentations, data acquisition, image processing and reconstruction, patient safety, image quality, and procedures in computed tomography. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: credit or registration in RADS 4620, 4630 and 4711.
- 4711. CLINICAL RADIOGRAPHY VI.** (4-0-20). Students will be supervised in a clinical education setting in order to gain knowledge and experience in selected specialties, including but not limited to surgery, Computed Tomography, Magnetic Resonance Imaging, Mammography, Special Procedures, and Heart Catheterization. Emphasis will be placed on advanced clinical modalities. Prerequisite: Successful completion of the first nine semesters of the Radiologic Sciences curriculum pattern or the consent of the Dean of the College of Nursing and Allied Health. Corequisites: Credit or registration in RADS 4620, 4630 and 4710.

For Graduates Only

- 5010. RESEARCH I.** (3-3-0). This course explores qualitative, quantitative, and mixed research methodologies and statistical analyses appropriate to the research process in the Radiologic Sciences. Prerequisite: Undergraduate research course or statistics course.
- 5020. CURRENT ISSUES IN RADIOLOGIC SCIENCES.** (3-3-0). This course will examine recent practice and healthcare issues affecting the Radiologic Sciences. Topics will provide a basis for understanding current practice in Radiologic Sciences.
- 5030. LEGAL & REGULATORY ISSUES IN RADIOLOGIC SCIENCES.** (3-3-0). This course presents legal and regulatory issues related to Radiologic Sciences education and administration. Topics may include: HIPAA, FERPA, ADA, institutional and programmatic accreditation requirements, state and federal regulatory guidelines, copyright, and plagiarism.
- 5080. INDEPENDENT STUDY.** (3-3-0). Selected radiologic sciences issues. Issue and mode of study agreed upon by student and instructor.
- 5110. RESEARCH II.** (3-3-0). This course provides opportunities to develop skills in information literacy including critical analyses of published research. Students will synthesize information from multiple resources to produce a literature review related to Radiologic Sciences. Prerequisite: 5010.

- 5123. GRADUATE SEMINAR IN RADIOLOGIC SCIENCES.** (3-3-0). This course requires reading and research on topics and issues in Radiologic Sciences education and administration. Course may be repeated for credit up to 6 hours with varying content.
- 5210. CURRICULUM DEVELOPMENT & TEACHING METHODS IN RADIOLOGIC SCIENCES.** (3-3-0). Explore the nature of higher education, radiologic science education and the faculty role. This course will discuss curriculum design, its dimensions, objectives, and dynamics; the instructional process, including the learner, theories of learning and their application to radiologic science education, concept formation, and teaching-learning activities.
- 5220. ASSESSMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will provide assessment techniques for both didactic and clinical settings in Radiologic Sciences. Topics may include: test construction, rubrics, instrument design, clinical evaluation, and formative and summative evaluation techniques. Prerequisite: 5210.
- 5230. RADIOLOGIC SCIENCES STUDENT MANAGEMENT.** (3-3-0). This course will provide a discussion of issues in the radiologic sciences education setting. Topics may include: advisement, counseling, records management, affiliation agreements, and disciplinary procedures. Prerequisite: 5220.
- 5310. OPERATIONS AND RESOURCE MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will examine the administrative role in radiologic sciences within health care settings. Students will explore personnel management, risk management, evaluation methods, policies and procedures, and hiring practices.
- 5320. FISCAL MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will explore financial management within the radiologic sciences. Students will analyze and evaluate fiscal information to develop effective strategies for managing the financial resources in radiologic sciences and healthcare. Prerequisite: 5310.
- 5330. INFORMATION MANAGEMENT IN RADIOLOGIC SCIENCES.** (3-3-0). This course will investigate proper techniques to manage and process information in the health care setting to support clinical practice and administration within the radiologic sciences. Prerequisite: 5320.
- 5410. SPECIAL TOPICS IN RADIOLOGIC SCIENCES EDUCATION.** (3-3-0). This course requires intensive study in a special area of didactic or clinical Radiologic Sciences education. Course may be repeated for credit with varying content.
- 5420. SPECIAL TOPICS IN RADIOLOGIC SCIENCES ADMINISTRATION.** (3-3-0). This course requires intensive study in a special area of Radiologic Sciences administration. Course may be repeated for credit with varying content.
- 5510. DIDACTIC RADIOLOGIC SCIENCES PRACTICUM.** (3-0-6). This course allows the students to apply the knowledge and skills obtained throughout the graduate program in a didactic Radiologic Sciences education setting. Prerequisites: 5110, 5230.
- 5520. CLINICAL RADIOLOGIC SCIENCES PRACTICUM.** (3-0-6). This course allows the students to apply the knowledge and skills obtained throughout the graduate program in a clinical Radiologic Sciences education setting. Prerequisites: 5110, 5230.
- 5530. RADIOLOGIC SCIENCES ADMINISTRATION PRACTICUM.** (6-0-12). This course allows the students to apply the knowledge and skills obtained throughout the graduate program in an administrative Radiologic Sciences setting. Prerequisites: 5110, 5330.
- 5910. APPLIED RESEARCH.** (3-3-0). Students will apply principles from Research I and Research II to develop a graduate-level research paper. Students must register for this course each semester until the research paper is satisfactorily completed. Prerequisite: 5110.

- 5980. THESIS.** (3 to 6-3 to 6-0). Students will apply principles from Research I and Research II to develop a graduate-level thesis. Students must register for this course each semester until the thesis is satisfactorily completed and approved. Prerequisite: 5110.

READING (RDG)

For Undergraduates Only

- 3030. INTRODUCTION TO READING.** (3-3-0). The reading process; instructional practices and methods in reading. Includes field experience component.
- 3040. DIAGNOSIS AND CORRECTION OF LITERACY DIFFICULTIES IN THE ELEMENTARY CLASSROOM.** (3-3-0). Instruction in and application of diagnosis and instructional planning for literacy difficulties in the elementary classroom. Approaches and strategies, current perspectives on reading and writing, and the use and development of assessment instruments for the elementary classroom are also included in this course. Includes field experience component. Prerequisites: Admission to candidacy in teacher education; RDG 3030.
- 3060. TEACHING READING IN THE ELEMENTARY SCHOOL.** (3-3-2). Developmental program of reading in the primary and upper elementary grades, content, materials, methods, and techniques used in teaching reading in elementary school. Includes field experience component. Prerequisites: 3030, admission to candidacy for a degree in teacher education.
- 4080. TEACHING READING IN THE CONTENT AREAS.** (3-3-1). Address content area literacy; including literacy and language processing, subject matter standards and benchmarks, comprehension, vocabulary and study skills in the content classroom. Other topics are assessment of student progress in performance terms, rubrics, writing across the curriculum, address the needs of diverse and multi-cultural student population, use of technology, evaluation of instructional materials, learning styles, and instructional strategies. Field experience component included. Prerequisite: Admission to candidacy in secondary and K-12 certification areas.
- 4610. READING IN EARLY CHILDHOOD.** (3-3-0). Instructional techniques and materials for development of basic reading and other language arts skills in the early childhood years, with special attention to research in and development of language skills. Prerequisites: 3030, 3060 (for undergraduate credit); undergraduate or graduate reading coursework and consent of instructor (for graduate credit).

For Graduates Only

- 5010. FOUNDATIONS OF LITERACY INSTRUCTION.** (3-3-0). Addresses the reading process, basic theory of word identification, vocabulary, comprehension, basal reader materials and the content, materials, methods, and techniques of teaching reading. Prerequisite: Admission to Alternative Post-Baccalaureate Certification Program.
- 5020. EARLY CHILDHOOD/PRIMARY READING INSTRUCTION (PK-3).** (3-3-0). Explores developmentally appropriate strategies and materials for facilitating early literacy development. Candidates learn how to promote listening, speaking, reading, and writing skills related to State standards for children from birth to age eight. Field experience required.
- 5110. READING INSTRUCTION IN THE ELEMENTARY SCHOOL.** (3-3-0). Methods and materials in teaching reading from the reading readiness stage through reading in the content areas in upper elementary grades. Prerequisite: An undergraduate methods course in reading or RDG 5010.

- 5150. READING STRATEGIES FOR TEACHING IN CONTENT SUBJECTS.** (3-3-0). Planning, implementing and evaluating instruction in content subjects to overcome student reading deficiencies and to improve student reading and learning performance. Prerequisite: Admission to Alternative Post-Baccalaureate Certification Program.
- 5210. READING AND LITERACY INSTRUCTION IN THE ELEMENTARY SCHOOL.** (3-3-0). Methods and materials in teaching reading from readiness stage through reading in the content areas in the elementary school. Emphasis is on the six components of a balanced literacy program. Prerequisite: Teacher certification.
- 5250. ADVANCED READING INSTRUCTION ACROSS CONTENT AREAS.** (3-3-0). Planning, implementing and evaluating reading instruction in all content subjects to increase student reading comprehension and learning achievement. Prerequisite: Teacher certification.
- 5510. DIAGNOSIS AND CORRECTION OF READING DISABILITIES.** (3-3-0). Causation in reading disabilities; laboratory experience with diagnosis instruments and procedures for corrective instruction in reading. Prerequisite: 5010 and 5110.
- 5710. ADVANCED DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES.** (3-3-0). Causation in reading difficulties; laboratory experience with advanced diagnostic instruments and procedures for corrective instruction in reading. Prerequisite: 5210.
- 6440. SEMINAR IN READING.** (1 to 6-3-0). Research in reading with opportunities for individual investigation of special problems.
- 6510. LABORATORY PRACTICUM IN READING.** (3-0-3). Supervised laboratory experience with individual and small groups of students; case conferences. Prerequisite: 5710 and consent of instructor.

SCHOLARS' ART (SART)

- 3820. ROME: URBS AETERNA.** (3-1-4). Examination of the art and culture of Rome, from its beginnings to Mussolini's attempted resurgence. Includes a two-week stay in Rome, readings and research before departure, and completion of a research paper upon return.
- 3890. DIRECTED STUDY IN ART HISTORY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SCHOLARS' BIOLOGY (SBIO)

- 1830. HONORS BIOLOGY I.** (3-3-0). An integrated life science course, focusing on cell biology, basic metabolism, and organismal biology. Prerequisite: registration in or credit for 1831.
- 1831. HONORS BIOLOGY LABORATORY I.** (1-0-3). Experiments in the life sciences to accompany 1830.
- 1850. HONORS BIOLOGY II.** (3-3-0). A continuation of 1830, focusing on organismal biology, Mendelian and molecular genetics, evolution, and ecology. Prerequisite: 1830 and registration in or credit for 1851.
- 1851. HONORS BIOLOGY LABORATORY II.** (1-0-3). Experiments in the life sciences to accompany 1850.
- 3810. FORM AND FUNCTION IN BIOLOGICAL SYSTEMS.** (3-3-0). Seminar on relationships between anatomical structure, physiology, and adaptation in living organisms, including plants, invertebrates, and vertebrates. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisite: two semesters of biological science or consent of instructor.
- 3820. COMPARATIVE NEUROBIOLOGY.** (4-3-2). Survey of basic neurophysiology, comparative and vertebrate functional neuroanatomy, neural development, and the neural basis of behavior. Prerequisite: two semesters of general biology or consent of instructor.

- 3880. DARWIN AND EVOLUTIONARY THEORY.** (3-3-0). Intensive readings and discussions of the major writings of Charles Darwin, with supplementary readings of other writers, including Lamarck, Lyell, Wallace, Spencer and Gould. Fulfills the Major Figure requirement for students in the Humanities and Social Thought Concentration and provides credit in Scientific Inquiry. Prerequisites: SBIO 1850 or SECL 1920 or BIOL 1020.
- 3890. DIRECTED STUDY IN BIOLOGY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 4060. GENOMIC BIOLOGY.** (3-3-0). An overview of how genetic analysis at the molecular level is used to study inheritance patterns and population genetics in a way that complements more classical methods of genetic analysis. Special emphasis on the impact of biotechnology on the practices of medicine, law, and modern agriculture, as well as research strategies used by biologists and biochemists. Social concerns and bioethical issues raised by the rapid growth of biotechnology will be addressed. Prerequisites: one of SBIO 1850, SECL 1920, or BIOL 3270; and SCHM 1860 and 1861 or CHEM 1040 and 1041.
- 4061. GENOMIC BIOLOGY LABORATORY.** (2-0-6). This laboratory is a project-oriented approach to introduce the use of specialized techniques and bioinformatics to study genomic biology, ranging from the isolation and subcloning of a gene for DNA sequencing to the use of sequence data and databases to make a comparative analyses. Topics include DNA fingerprinting for identity testing and DNA sequence polymorphisms for studies in population genetics. Corequisite: SBIO 4060.
- 4810. SEMINAR IN DEVELOPMENTAL BIOLOGY.** (3-3-0). A treatment of mechanisms underlying the ontogenetic organization of the major biological systems in animals, including molecular, cellular, and tissue-level processes. Satisfies the research seminar requirement for students in the Scientific Inquiry Concentration of the College. Prerequisites: two semester sequence in general biology and permission of instructor.

SCHOLARS' BUSINESS (SBUS)

- 480T. THESIS RESEARCH: BUSINESS.** (2-0-0). Preparation of a senior thesis or project in accounting, business administration, or computer information systems. Prerequisite: SBUS 4000.
- 482T. THESIS: BUSINESS.** (3-0-0). Completion and presentation of a senior thesis or project in business. Prerequisite: SBUS 480T.
- 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students majoring in Accounting, Business Administration, or Computer Information Systems and preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within business; bibliographic data bases and research/reference works; production of the thesis proposal.

SCHOLARS' CHEMISTRY (SCHM)

- 1840. HONORS CHEMISTRY I.** (3-3-0). The general principles of chemistry, including atomic and molecular structure, chemical bonding, properties of gases, liquids, and solids, and inorganic reactions.
- 1841. HONORS CHEMISTRY LABORATORY I.** (1-0-3). Laboratory experiments demonstrating the chemical principles presented in 1840 or CHEM 1030. Corequisite: 1840 or CHEM 1030.
- 1860. HONORS CHEMISTRY II.** (3-3-0). A continuation of 1840, focusing on chemical equilibrium, thermodynamics, kinetics, and nuclear chemistry. Prerequisite: 1840 or CHEM 1030.

- 1861. HONORS CHEMISTRY LABORATORY II.** (1-0-3). Laboratory experiments demonstrating the principles presented in 1860 of CHEM 1040, including the use of instrumentation techniques. Prerequisite: 1841 or CHEM 1031. Corequisite: 1860 or CHEM 1040.
- 3810. ORGANIC CHEMISTRY I.** (3-3-0). The first half of a one-year course. Preparation, properties, uses, and mode of reaction of representative aliphatic and aromatic compounds; halides, hydrocarbons, stereochemistry and spectroscopy. Prerequisite: 1860 or CHEM 1040.
- 3811. ORGANIC CHEMISTRY LABORATORY I.** (2-0-4). Basic experiments in organic chemistry. Corequisite: 3810 or CHEM 3010.
- 3820. ORGANIC CHEMISTRY II.** (3-3-0). The second half of a one-year course. Preparation, properties, uses, and mode of reaction of aliphatic and aromatic compounds; emphasis on alcohols, aldehydes, ethers, ketones, amines, acids and their derivatives. Prerequisite: 3810 or CHEM 3010.
- 3821. ORGANIC CHEMISTRY LABORATORY II.** (2-0-4). Continuation of 3811. Preparation and qualitative analysis of organic compounds. Corequisite: 3820 or CHEM 3020.
- 3890. DIRECTED STUDY IN CHEMISTRY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 4810. GENERAL BIOCHEMISTRY I.** (3-3-0). Highly recommended for pre-health professions. Chemistry of living matter, with emphasis on medical applications. Topics include recombinant DNA, genetic disease, enzymes, antibiotics, and metabolic pathways (including glycolysis gluconeogenesis, the tricarboxylic acid cycle, oxidative phosphorylation and the pentose phosphate pathway). Prerequisite: 3820 or CHEM 3020.
- 4811. GENERAL BIOCHEMISTRY LABORATORY I.** (1-0-3). An introduction to qualitative and quantitative biochemical laboratory techniques using modern biochemical instrumentation. Corequisite: 4810.
- 4820. GENERAL BIOCHEMISTRY II.** (3-3-0). Highly recommended for pre-health professions. Continuation of 4810 with further emphasis on medical applications. Topics include human diet, metabolic pathways (including fatty acids, urea cycle, metabolism of DNA and RNA), and the transmission and reception of extracellular signals. Prerequisite: 4810.
- 4890. CHEMISTRY SEMINAR.** (1-1-0). Research, reports, and discussions about current or historical issues in chemistry. May be repeated any number of times, but only two hours may be applied toward a degree. Prerequisite: junior standing and consent of instructor.

SCHOLARS' CLASSICS (SCLA)

- 3810. THE COMIC MUSE: COMEDY AND SATIRE IN THE ANCIENT WORLD.** (4-4-0). The history, evolution, and interrelationship of comedy and satire in the Greco-Roman world. Includes several instances in which these forms are adopted or adapted in later periods. All works are read in English translation.

SCHOLARS' CRITICAL READING, CRITICAL WRITING (SCRT)

- 181W. CRITICAL READING, CRITICAL WRITING.** (3-3-0). Exercise in verbal argument and analysis, in conjunction with the study of major writers, major thinkers, and significant cultural issues. Disciplines and topics vary; may be taken for credit only once.
Subtitles:
01-Justice, Virtue, and the Good. A close study of ethical writings by Plato and Aristotle, emphasizing both moral ideas and philosophical reasoning: Plato's *Euthyphro*, *Gorgias*, and *Republic*, and Aristotle's *Nicomachean Ethics*.

03-Selfhood and Community. An inquiry into changing conceptions of the "self" and shifting relations between individuals and communities in the nineteenth and twentieth centuries.

04-Utopian Visions. Versions of perfection in utopian works written in Europe and America from the sixteenth century to the present—utopian perspectives on perfection, including those of Christian humanism, liberalism, socialism, aesthetic Marxism, and feminism. Examinations of contemporary assumptions about what is "natural" and possible in our own time and in the future.

05-Greek and Roman Art: A General Survey. An overview of the development of Greek and Roman art organized to complement the material presented in Texts and Traditions I.

06-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries, emphasizing literary analysis, but also examining social and historical contexts as well as the issues of race, class, and gender. Chopin, Faulkner, O'Connor, Welty, Percy, Hurston, Walker, among others.

07-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.

11-Writing About Film. A writing-intensive seminar offering an introduction to the vocabulary and perspectives of film criticism.

12-History and Philosophy of Natural Science. A writing-intensive seminar designed to help students understand how scientists think and why we know what we know. Students will be given a background in "scientific thought processes".

13-Writing about Literature: The Lost Generation. An introduction to college-level critical reading and writing skills through study of the literature of Americans and American expatriates between the World Wars.

15-Literature and the Law. A study of the history of legal writing as literature, and a study of what literature has to teach about the history and interpretation of law and methods of legal argument.

16-The Modern Synthesis. An exploration of major points in the Modern Synthesis of Darwinian evolution and genetics, including points of contention between major contributors to modern evolutionary theory.

SCHOLARS' ECOLOGY (SECL)

- 1910. HONORS ECOLOGY I.** (3-3-0). An introduction to the ecological relationships between organisms and their environments at the ecosystem and community levels of organization. Topics include primary production and decomposition, migration and dispersal across landscapes, and food webs. Prerequisite: registration in or credit for 1911.
- 1911. HONORS ECOLOGY LABORATORY I.** (1-0-3). Laboratory experiments and field studies demonstrating the principles presented in SECL 1910. Prerequisite: registration in or credit for 1910.
- 1920. HONORS ECOLOGY II.** (3-3-0). An introduction to the ecological relationships between organisms and their environments within populations, and evolution as an ecological process. Topics include demography, pollination ecology, and evolution through natural selection. Prerequisite: registration in or credit for 1921.
- 1921. HONORS ECOLOGY LABORATORY II.** (1-0-3). Laboratory experiments and field studies demonstrating the principles presented in SECL 1920. Prerequisite: registration in or credit for 1920.
- 3890. DIRECTED STUDY IN ECOLOGY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.

SCHOLARS' ECONOMICS (SECO)

- 1810. FUNDAMENTALS OF INVESTMENT AND PERSONAL FINANCE.** (1-1-0). An introduction to budgeting and personal investment, including the basics of debt and equity markets, interest rates, risk and portfolio management. This course does not satisfy any requirements or prerequisites in the School of Business.
- 2810. AN INTRODUCTION TO ECONOMIC REASONING.** (4-4-0). A survey of the historical evolution and current state of American economic theory and policy. The fundamentals of economic analysis, with application to a wide array of economic issues: government regulation of markets, income distribution, federal deficits, government stabilization policy, and America's position in the world economy. Prerequisite: SMAT 1820 or SMAT 1840. (Credit not allowed for both ECON 2010 and SECO 2810).
- 2820. ECONOMICS FOR THE LIBERAL ARTS AND HUMANITIES.** (3-3-0). An introduction to economics, economic theory, and economic study aimed at students of the liberal arts and humanities. Covers basics of economic analysis, the relationship of politics and economics, economic policy, etc.
- 3000. MANAGERIAL ECONOMICS.** (3-3-0). Microeconomic theory and decision science methodology applied to solve business and managerial problems. The study of how to allocate resources to most efficiently achieve managerial goals. Prerequisites: SECO 2810 and SMAT 1848 or SMAT 2810. (Same as ECON 3000).
- 3840. ENVIRONMENTAL ECONOMICS.** (3-3-0). A study of the economics of resource extraction and environmental protection, with emphasis on renewable resources (water, forests, land, wildlife, etc.), and political and economic mechanisms to optimize their use over time. Prerequisite: ECON 2010 or SECO 2810 or SMAT 1820 or SMAT 1840, and SECL 1920.
- 3850. LAW AND ECONOMICS.** (4-4-0). A study of the role of economic reasoning in the development of legal and institutions and justice. The application of formal economic analysis to the common law (specifically, property, contracts, and torts), and an examination of the tools of non-cooperative game theory applied to legal analysis. Prerequisite: SECO 2810 or ECON 2010.
- 3860. THE LITERATURE OF ECONOMICS AND ECONOMICS IN LITERATURE.** (3-3-0). A study of economic themes in works of literature, and an appreciation of the literary value of some classical writings in economics. Literary depictions of society making a living, and literary exhortations to society to mend its economic ways.
- 3890. DIRECTED STUDY IN ECONOMICS.** (1-4-0-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when topic varies. Prerequisite: consent of instructor.
- 4830. WEALTH AND POVERTY IN THE UNITED STATES.** (4-4-0). An inquiry into the causes and consequences of American wealth and poverty, emphasizing the intellectual origins of American individualism and of laissez faire economic practice. Topics covered include: current statistics on income distribution; political economy; the experience of immigrant minorities; chronic poverty; rural poverty; recent theory and policy debates. Prerequisite: SECO 2810 or ECON 2010.

SCHOLARS' ENGLISH (SENG)

- 2000. SEMINAR IN ENGLISH AND AMERICAN LITERATURE.** (3-4-3-4-0). Major figures, period studies, critical issues and problems. Cross-listed as SCRT 181W. Open as SENG 2000 only to students who have completed a different SCRT 181W section. May be repeated once for credit as topics vary.

Subtitles:

- 01-Selfhood and Community in Nineteenth and Twentieth Century Writing. Fiction by Austen, Bronte, Conrad, Woolf, Faulkner, Lawrence, and others, in the context of cultural change.
- 02-Finding the Lost Generation: British and American Writing in the Twenties. Focused on a pivotal moment in twentieth-century cultural history, the decade following the First World War, this course combines an exploration of literary modernism with an inquiry into certain fundamental problems of cultural theory. Works by Ford, Pound, Lawrence, Hemingway, Fitzgerald, Waugh, Graves, Eliot, Woolf, among others.
- 03-Southern Fiction. An introduction to Southern fiction of the nineteenth and twentieth centuries.
- 04-An Introduction to Film Criticism. An introduction to the vocabulary and perspectives of film criticism.
- 2810. POETRY AND POETICS: AN INTRODUCTION.** (4-4-0). Introduction to the critical analysis of poetry through the close reading of individual poems from the sixteenth century to the present, as well as through the study of important works of literary criticism and theory.
- 3810. SHAKESPEARE.** (4-4-0). Study of representative plays by Shakespeare, including comedies, tragedies, and histories, illustrating the development of his style.
- 3830. STUDIES IN THE SEVENTEENTH AND EIGHTEENTH CENTURIES.** (3-3-0). Various texts and topics from the late Renaissance through the Neo-Classical period. May be repeated for credit when topics vary. Prerequisite: consent of instructor.
- 3840. TOPICS IN LITERARY THEORY AND CRITICISM.** (4-4-0). Intensive study of a major period, movement, or body of literary theory and criticism. May be repeated for credit as topic varies. Prerequisite: sophomore standing and completion of one 2000-level literature course.
- Subtitles:
- 02-Film Theory and Criticism. An introduction to major theorists and critics of film, emphasizing established critical approaches and emerging theoretical understandings of film as art.
- 04-Postmodern Literary Theory. A study of the major postmodern literary schools of theory (e.g., feminist, Marxist, post-colonial, semiotic) with emphasis on the work of Foucault, Derrida, and Lacan and a focus on examining the location of literary texts within a wider context of politics and culture.
- 05-Feminist Theory and Criticism. A study of feminist theory and criticism, focusing on the development of the discipline of feminist thought, the debates and issues that fractured feminism into feminisms, and the intersections of feminist thought with other approaches to theory (African/American theory, queer theory, postmodern theory, etc.)
- 3860. STUDIES IN THE TWENTIETH CENTURY.** (4-4-0). Various texts and topics from the twentieth century. May be repeated for credit when topics vary. Prerequisite: SCRT 181W.
- Subtitles:
- 01-Magic Realism in Literature: Study exploring the philosophical, political, economic, social and spiritual dimensions of the genre of literature known as magic realism.
- 02-The Postcolonial Novel: A study of the novels being written in the historical colonies and dependencies of the European powers, with an examination of how the colonial experience has affected the type and content of literature produced in these areas.
- 03-Women Authors and the Symbolic Order: Literature by women writers read through the lens of Lacanian theory, which argues that women cannot negotiate the Symbolic Order (i.e., language), to determine the ways in which these writers reconcile their gender identity with preconceived notions of societal agency.

04-The American Family in Literature: Study emphasizing the diversity of the American family as exemplified through writers of various races, geographical regions, ethnicities, religions, and sexual orientations.

- 3880. STUDY OF A MAJOR WRITER.** (4-4-0). Study emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.

Subtitles:

01-James Joyce
03-Jane Austen
04-Emily Dickinson
05-Joseph Conrad
06-Robert Frost
07-Charles Dickens
08-T.S. Eliot
09-Virginia Woolf
10-William Faulkner
13-Kate Chopin
14-Toni Morrison
15-Edgar Allan Poe
16-Franz Kafka

- 3890. DIRECTED STUDY IN ENGLISH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' FINE & PERFORMING ARTS (SFPA)

- 480T. THESIS RESEARCH – FINE AND PERFORMING ARTS.** (2-0-0). Preparation of a senior thesis or project in the fine and performing arts. Prerequisite: SLSC 4000.
- 482T. THESIS – FINE AND PERFORMING ARTS.** (3-0-0). Completion and presentation of a senior thesis or project in the fine and performing arts. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.

SCHOLARS' FRENCH (SFRE)

- 1810. FRENCH I HONORS.** (3-3-0). An introduction to French grammar, pronunciation, and vocabulary. Verb tenses: present, preterit, and imperfect. Development of cultural knowledge as well as skill in understanding, speaking, reading, and writing.
- 2810. FRENCH II HONORS.** (3-3-0). A continuation of 1810 with emphasis on basic French. Prerequisite: 1810 or consent of instructor.
- 2820. FRENCH III HONORS.** (3-3-0). An intensive study of French grammar and review of basic French. Reading, discussion, and writing are emphasized. Prerequisite: 2810 or consent of instructor.
- 2830. FRENCH IV HONORS.** (3-3-0). An introduction of French literature and civilization. Discussion and writing are emphasized. Prerequisite: 2820 or consent of instructor.
- 2840. FRENCH CULTURE AND CONVERSATION.** (3-3-0). Designed to help students with their oral skills as well as introduce them to French social habits. Students watch and comment on short French documentaries. They also keep a listening log of outside assignments such as "En Français" from PBS, French films, French radio, etc. Prerequisite: 2820.
- 3810. LE COMMENTAIRE DE TEXTES LITTÉRAIRES.** (3-3-0). Designed to teach students French literary analysis. Includes study of famous French works. Preparation for a more detailed study of French literature. Prerequisites: 1810, 2810, 2830, and consent of instructor.
- 3890. DIRECTED STUDY IN FRENCH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SCHOLARS' GERMAN (SGER)

- 3850. GERMAN CULTURE AND CIVILIZATION.** (3-3-0). Conducted in English. Historical, political, artistic, scientific, religious, social, and literary forces that have shaped the German state from the earliest time to the present.
- 3890. DIRECTED STUDY IN GERMAN.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SCHOLARS' GERMAN LITERATURE (SGLT)

- 3810. 19TH CENTURY GERMAN LITERATURE IN TRANSLATION.** (3-3-0). From the dusk of Classicism, the darkness of Romanticism, to the dawn of Modernism, this period of German literature includes some of the greatest minds of Western civilization. The course will focus on the poetry, fiction, dramas and non-fiction of writers such as Goethe, Schiller, Heine, Hofmann, Nietzsche and Hauptmann. Student may not receive credit for both 3810 and 4810.

SCHOLARS' GREEK (SGRK)

- 1810. GREEK I HONORS.** (3-3-0). In this course students will begin a study of the grammar, syntax, vocabulary and culture of the ancient Greek world with the aim of reading the texts of Plato, the New Testament, Homer, and the Greek writers in the original language.
- 2810. GREEK II HONORS.** (3-3-0). In this course students will continue the study of the grammar, syntax, vocabulary and culture of the ancient Greek world with the aim of reading the texts of Plato, the New Testament, Homer and other Greek writers in the original language. Prerequisite: credit for SGRK 1810 or consent of instructor.
- 2820. GREEK PROSE HONORS.** (3-3-0). In this course students will read Greek works such as the philosophy of Plato, the New Testament, the speeches of Lysias and writings of other prose authors in the original language. Prerequisites: credit for SGRK 1810 or consent of instructor.
- 2830. GREEK POETRY HONORS.** (3-3-0). In this course students will read Greek works such as the plays of Euripides or Aristophanes, lyric poetry, or the poetry of Homer and others in the original language. Prerequisite: Credit for SGRK 2810 or consent of instructor.
- 3890. DIRECTED STUDY IN GREEK.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies.
- 4890. ADVANCED READING IN GREEK.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' HISTORY (SHIS)

- 1010. GLOBAL HISTORY TO 1500.** (3-3-0). The history of the human community from prehistory (ca. 10,000 BCE) to 1500. The origins, development, and achievements, as well as the interrelations, of the major world civilizations will be discussed. Comparing the economic, cultural, and political experience of different societies will be an essential feature of the course.
- 2000. SEMINAR IN HISTORY.** (3-4-3-4-0). Special topics in history. Cross-listed as SCRT 181W. Open as SHIS 2000 only to students who have completed a different SCRT 181W section. May be repeated for credit as topics vary.

Subtitles:

01-Utopian Visions. Versions of utopia from the 16th century to the present.

02-Popular Culture and Politics in Modern Europe: From Carnival to Rock Video. An exploration of the connections over the last three hundred years between the distribution of political power in particular societies and the ways that people have amused themselves (or have been amused). Emphasis is on primary materials—folk tales, song lyrics, advertisements (old and new), religious sermons and revelations, political cartoons, descriptions of popular festivals, riots, and murders.

2010. GLOBAL HISTORY SINCE 1500. (3-3-0). The history of the human community from approximately 1500 to the present. The central question of the course is what is modernity and how have peoples and societies of the globe changed during the past 500 years because of it.

3700. EUROPE 1660-1789: ART AND POLITICS. (4-4-0). Analysis of the economics and society of the period as well as the politics and art.

3710. EUROPE 1800-PRESENT: ART AND POLITICS. (4-4-0). Focusing particularly on the politics and art of the period.

3720. TERRORISM AND COUNTERTERRORISM IN THE 19TH – 20TH CENTURIES. (4-4-0). The theoretical justification for and the history of terrorism and the attempts to control it during the nineteenth and twentieth centuries.

3810. THE FRENCH REVOLUTION. (4-4-0). Analysis of the causes of the Revolution and of its development after 1789, with emphasis on primary sources and opposing historical interpretations. Students will write a research essay.

3840. HISTORY OF RUSSIA SINCE 1861. (3-3-0). Major issues in the economic, social, cultural, and political evolution of Russia from 1861 to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.

3880. MAJOR FIGURES IN HISTORY. (4-4-0). Intensive study of the life and work of a major figure in history, emphasizing the individual's connection to his or her time, his or her influence since then, and the vagaries of reputation. Students will write a research essay. May be repeated for credit as topic varies. Prerequisite: sophomore standing or permission of instructor.

Subtitles:

01-Louis XIV

02-Rousseau

03-Napoleon

06-Bismarck

07-Churchill

09-Marx

10-Hitler

11-Keynes

12-Augustus Caesar

13-Joseph Stalin

14-Gandhi

15-Elizabeth I

3890. DIRECTED STUDY IN HISTORY. (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

4820. ITALY SINCE THE RENAISSANCE. (4-4-0). Major issues in the political, economic, social, and cultural evolution of Italy from the fifteenth century to the present. The course's objectives are to familiarize the student with these issues, give them a sense of the factors involved in historical change and causation, and sharpen their critical thinking and writing skills. Class time devoted to lecture, discussion, and film and slide screenings.

4850. HISTORY OF WORLD WAR II. (4-4-0). The causes and course of World War II in Europe and the Pacific. Prerequisite: SCRT 181W, sophomore standing, or consent of the instructor.

4890. ADVANCED READING IN HISTORY. (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' HISTORY & PHILOSOPHY OF SCIENCE (SHPS)

2000. SEMINAR IN THE HISTORY AND PHILOSOPHY OF SCIENCE. (3-4-3-4-0). Interdisciplinary seminar on topics in the history and philosophy of science, including the cultural impact of scientific discoveries. Prerequisite: SCRT 181W. Open as SHPS 2000 only to students who have completed a different SCRT 181W topic.

Subtitles:

01-The Natural Philosophy of Time. Introduction to the study of time, as viewed from the perspectives of natural philosophy, mathematics, and modern physics. Zeno's paradoxes; relativity and the block universe; "time's arrow" in thermodynamics and cosmology.

02-The Modern Synthesis. An exploration of major points in the Modern Synthesis of Darwinian evolution and genetics, including points of contention between major contributors to modern evolutionary theory.

03-A writing intensive seminar designed to help students understand how scientists think and why we know what we know. Students will be given a background in scientific thought process.

SCHOLARS' HISTORICAL STUDIES (SHST)

3810. ATHENS IN THE FIFTH CENTURY. (4-4-0). An interdisciplinary study of Athens in the Fifth Century B.C.E. Students will study the rise and fall of this great power by looking through the eyes of such citizens as Aeschylus, Sophocles, Aristophanes, and Thucydides.

SCHOLARS' HUMANITIES (SHUM)

480T. THESIS RESEARCH – HUMANITIES AND SOCIAL THOUGHT. (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in the humanities or social sciences. Prerequisite: SLSC 4000.

482T. THESIS – HUMANITIES AND SOCIAL THOUGHT. (3-0-0). Completion of a senior thesis or essay in the Humanities and Social Thought Concentration. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.

4890. ADVANCED READING IN HUMANITIES. (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' INTERNSHIP (SINT)

4890. SCHOLARS' COLLEGE INTERNSHIP. (1 to 6-0-1 to 6). Internship course used for students engaging in planned work experiences related to their education. Student must be a sophomore or better in standing, have a 3.0 or better GPA and have the approval of the Director of Scholars' College. Internships can be taken during the spring, summer, or fall.

SCHOLARS' INTERDISCIPLINARY (SLSC)

- 2000. INTERDISCIPLINARY SEMINAR.** (3-4-3-4-0). Sophomore seminars on special topics transcending disciplinary boundaries. Cross-listed as SCRT 181W. Open as SLSC 2000 only to students who have completed a different SCRT 181W section. May be repeated once for credit as topics vary.
Subtitles:
01-Interdisciplinary Approaches to the Study of Gender. An interdisciplinary course exploring gender relations through literature, art, history, sociology, and biology.
03-Literature and the Law. A study of the history of legal writing as literature, and a study of what literature has to teach about the history and interpretation of law and methods of legal argument.
- 3800. INTERDISCIPLINARY SEMINAR.** (1 to 4-1 to 4-0). Seminars on topics transcending disciplinary boundaries. May be repeated for credit as topics vary. Prerequisite: consent of instructor.
Subtitles:
03-The Victorian Imagination: Class and Crisis. Examination of English Culture and society in the 19th century through various contemporary materials, especially novels, but including political discourse, social commentary, art, and architecture. Prerequisite: junior standing or consent of instructor.
04-Contemporary Economic Issues. Current topics in the world economy, emphasizing the influence of social, cultural, and political factors. May be repeated for credit as topics vary.
07-Western Intellectual Traditions. 300-1350. This course will focus on the formation of western European thought and learning in the period of 300-1350. It will situate this critical intellectual era in its historical context by studying the links and breaks with ancient thought on one side and early modern thought on the other.
08-Soviet Life in Literature. A study of the ideology, aspirations, and everyday life of the Soviet people as portrayed by Soviet writers from the 1920s through the 1970s. Includes works in translation by Zamiatin, Bulgakov, Mayakovsky, Solzhenitsyn, Dumbrovsky, and Pasternak.
09-Ecofeminism: Philosophy and literature. An interdisciplinary course concerned with exploring the ecological crisis through the lenses of feminist thought, especially in the areas of philosophy and theology, and analyzing works of contemporary literature that tie environmental degradation to greater political systems of oppression.
11-Love and Tyranny. An examination of the relationship between romantic/erotic love and totalitarian societies as revealed in literature, psychology, history, film, and philosophy.
12-Post War American Avant-garde. An examination of the post-World War II American Avant-garde, including such movements as beat literature, jazz music, and abstract expressionism.
- 3810. GREAT CITIES IN WESTERN CIVILIZATION.** (4-4-0). The history, art, literature, and politics of a great city during a period of cultural blossoming. May be repeated for credit as the topic varies.
Subtitles:
01-Saint Petersburg
02-Paris
- 4000. THESIS RESEARCH METHODS.** (1-1-0). Research methods for students preparing to write senior theses. Introduction to research methodology, documentation and thesis style appropriate to different disciplines within sciences, humanities, and arts; bibliographic data bases and research/reference works; and production of the thesis proposal.

- 4820. SOCIOBIOLOGY AND THE EVOLUTION OF SEX.** (3-3-0) A critical review of the theory of sociobiology. Special emphasis on the theoretical basis for the evolution and maintenance of recombination and the empirical evidence for the evolutionary advantages of various mating systems. Satisfies the research seminar requirement for the Scientific Inquiry Concentration and the interdisciplinary seminar requirement for the Humanities and Social Thought Concentration of the Liberal Arts major. Prerequisites: SBIO 1830, SECL 1910, or 1920; or SCRT 2810 and 2820; or ANTH 3050; or BIOL 3340.
- 4890. ADVANCED READING IN INTERDISCIPLINARY STUDIES.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.
- 4900. LIBERAL ARTS IN PRACTICE.** (1-1-0). A capstone experience for all majors in the Louisiana Scholars' College. Practical concerns for identifying and achieving professional and educational goals and opportunities after graduation.

SCHOLARS' LATIN (SLTN)

- 1810. LATIN I HONORS.** (3-3-0). The fundamentals of Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax. Aspects of Roman culture and its tradition in the Western world will also be discussed.
- 2810. LATIN II HONORS.** (3-3-0). A continuation of 1810. Latin grammar and basic reading skills, including basic vocabulary, pronunciation, and syntax and additional study of the Latin tradition. Prerequisite: credit for 1810 or consent of instructor.
- 2820. LATIN III HONORS.** (3-3-0). Introduction to Latin literature and advanced study of Latin grammar. Prerequisite: credit for 2810 or consent of instructor.
- 2830. LATIN POETRY HONORS.** (3-3-0). In this course students will read the poetry of authors such as Vergil, Catullus, and Ovid in the original language. Prerequisites: credit for SLTN 2810 or consent of instructor.
- 2880. GREEK AND LATIN ELEMENTS IN ENGLISH.** (3-3-0). An introduction to classical vocabulary, and to historical, linguistic, and grammatical relationships among the Greek, Latin, and English languages.
- 3810. DIRECTED READING IN LATIN.** (3-3-0). Supervised independent study (translation and commentary) of significant Latin texts. May be repeated as topic varies. Prerequisite: SLTN 2820.
Subtitles:
01 - Latin Prose Authors: Cicero, Livy, and Pliny the Younger
02 - Latin Poetry: Vergil and Horace
03 - Special Authors: selected authors of prose and poetry from the first century CE through the medieval period, for instance the historian Ammianus Marcellinus (4th c.); the poet Ausonius, (4th c.), and the medieval scholar, John of Salisbury (12th c.).
- 3890. DIRECTED STUDY IN LATIN.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 4850. ADVANCED COMPOSITION IN LATIN (PROSE).** (3-3-0). Supervised independent study of the translation of English prose into Latin, beginning with translations of actual classical works back into Latin, followed by works originally written in English such as the *Declaration of Independence*, and ending with an original Latin composition by the student. Prerequisite: SLTN 2820.
- 4860. ADVANCED COMPOSITION IN LATIN (POETRY).** (3-3-0). Instruction in the techniques of Latin meter. Supervised independent study of the translation of English poetry into Latin, beginning with translations of actual classical works back into Latin, followed by an original Latin composition by the student. Prerequisite: SLTN 2820.

- 4890. ADVANCED READING IN LATIN.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' MATHEMATICS (SMAT)

- 1820. PRECALCULUS.** (3-3-0). An in-depth treatment of algebra, trigonometry, and analysis topics used in calculus, along with the historical development of analysis. Students may not receive credit for both SMAT 1820 and SMAT 1800.
- 1830. INTRODUCTION TO PURE MATHEMATICS.** (3-3-0). An introduction to mathematical logic and thought, classical problems in a variety of areas in pure mathematics, and a historical/cultural perspective of the topics covered. Topics include propositional logic, mathematical induction, number theory, group theory, sets, cardinality, and functions.
- 1840. TOPICS IN APPLIED MATHEMATICS.** (3-3-0). An introduction to mathematical topics and techniques incorporated in the core science courses; limited exposure to the central themes of calculus; elementary discrete probability; and interval arithmetic on the real numbers. Includes a historical/cultural perspective on the topics covered. Prerequisite: diagnostic examination.
- 2000. APPLIED CALCULUS HONORS.** (3-3-0). The central ideas of calculus are introduced conceptually, as well as their applications in economics, life sciences, social sciences, and physical sciences are demonstrated in numerous examples. The notion of probability is explained in terms of integral. Prerequisite: Some knowledge of elementary functions is desirable.
- 2810. DIFFERENTIAL CALCULUS.** (5-5-0). A study of the concepts of functions, limits, continuity, and the derivative. Application of the derivative, antiderivative, and integration. Prerequisite: 1820 with a grade of "C" or better, or a satisfactory score on the placement exam.
- 2820. INTEGRAL CALCULUS.** (5-5-0). A continuation of 2810. A study of integrals, conics, transcendental functions, techniques of integration, parametric equations, improper integrals, and applications. Prerequisite: 2810 or consent of instructor.
- 2830. MATHEMATICAL LOGIC AND THE DEDUCTIVE SCIENCES.** (3-3-0). An introduction to mathematical logic and its applications. The basic concepts and principles of logic found in all branches of mathematics, and logical laws applied in mathematical reasoning. Applications of logic in mathematical theory building with concrete examples based on concepts and principles of logical deduction. Prerequisites: SMAT 1820 and either SMAT 1830 or 2810.
- 3810. MULTIVARIABLE CALCULUS.** (3-3-0). Infinite series topics in vector calculus, and differential equations. Prerequisite: 2820 or consent of instructor.
- 3830. DIFFERENTIAL EQUATIONS.** (3-3-0). Solving ordinary differential equations, including linear differential equations, solution by series, Laplace transforms, and applications. Prerequisite: 2820.
- 3850. PRINCIPLES OF MATHEMATICAL MODELING.** (3-3-0). Developing, para-meterizing, analyzing, and interpreting mathematical models of real-world problems in the biological, physical, and social sciences. Emphasis on mathematical models as investigative tools, model formulation, and interpretation of results. Prerequisite: 2810, 2820 or 100 hours of calculus.
- 3890. DIRECTED STUDY IN MATHEMATICS.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SCHOLARS' MUSIC (SMUS)

- 3500. MUSIC FOR STAGE AND SCREEN.** (3-3-0). An overview of theatre and film music in Western culture, including the genres of opera, operetta, incidental music, and film music. Specific composers and trends will be discussed in an historical and stylistic context.
- 3600. HISTORY OF AFRICAN AMERICAN MUSIC.** (3-3-0). A study of the history of African-American music from 1619 to the present. A particular emphasis will be placed on the last century of contemporary music and its social significance. Prerequisite: For traditional NSU students: Fine Arts 1040. For Scholars' College students: Critical Reading and Writing.

SCHOLARS' ORIENTATION (SOR)

- 1010. SCHOLARS' COLLEGE ORIENTATION.** (1-1-0). A required course introducing all incoming students to University life and to the Louisiana Scholars' College: history and traditions, requirements, regulations, academic strategies, career planning, and University resources.

SCHOLARS' PHILOSOPHY (SPHI)

- 2000. SEMINAR IN PHILOSOPHY.** (3-4-3-4-0). Special topics in philosophy. May be repeated for credit as topics vary. Subtitles:
01- Greek Moral Theory. An introduction to Eudaimonism, the ancient moral theory based on the premise that all people do pursue, and indeed should pursue, happiness (i.e. "eudaimonia"). Selected works by Plato and Aristotle as well as other, more contemporary works (such as *Habits of the Heart*) to get a clear sense of the contrast between ancient moral reasoning and our own. The course also serves as a thorough introduction to ancient philosophy in general.
02- Gnostic Christianity. An historical survey of major Gnostic religious texts from the Sethians (1st-2nd c. CE) to Valentinus and his followers (2nd-3rd c. CE). Some related, non-Gnostic heterodox writings may also be considered, such as *The Gospel of Thomas*, and *The Gospel of Judas*. Stress is on the philosophical theology underlying these texts, but issues of ritual practices, gender, and social dynamics will also be considered.
- 2820. INTRODUCTION TO ETHICS.** (3 to 4-3 to 4-0). An introduction to ethical theories, including formalism and consequentialism, as well as to practical applications of those theories.
- 2850. THE RELIGIOUS PHILOSOPHIES OF INDIA AND CHINA.** (4-4-0). An introduction to the major philosophico-religious texts of India and China, including the *Upanishads*, the *Bhagavadgita*, *The Laws of Manu*, and *Analects*, and the *Tao Te Ching*.
- 2860. PHILOSOPHIES OF CHRISTIANITY.** (4-4-0). Survey of the historical and philosophical development of Christianity, emphasizing the philosophical theologies of St. Augustine, St. Thomas Aquinas, the Protestant Reformers, Kierkegaard, and others. Prerequisite: sophomore standing.
- 3100. PROFESSIONAL ETHICS.** (3-3-0). Ethical issues in the professions; to include learning professional codes of ethics, ethical theories and other methods of ethical decision-making, and relevant legal issues. Coursework to include profession-related service/research project.
- 3710. ANCIENT PHILOSOPHY.** (4-4-0). A historical survey beginning with the Presocratic and concluding in the Hellenistic period. Includes such representative thinkers as Heraclitus, Parmenides, Socrates, Plato, Aristotle, and Sextus Empiricus.

- 3740. MEDIEVAL PHILOSOPHY.** (4-4-0). An historical survey of the thought of the Middle Ages. Topics may include: faith and reason, the eternity of the world, the existence of universals, the nature of the divine, and the problem of human freedom and divine foreknowledge. Includes such representative thinkers as Boethius, Augustine, Al-Farabi, Ibn Sina, Maimonides, Anselm, Ibn Rushd, Aquinas, Scotus, and Ockham.
- 3810. MODERN PHILOSOPHY.** (4-4-0). A historical survey beginning with the rationalists and including such thinkers as Descartes, Leibniz, Hobbes, Locke, Berkeley, Hume, Kant, and Hegel. Prerequisite: Sophomore standing.
- 3820. EXISTENTIALISM.** (4-4-0). An intensive study of twentieth century existentialism in its philosophical, literary, and artistic manifestations, as reflected in the works of Heidegger, Sartre, Camus, de Beauvoir, Beckett, and Ionesco. Three major precursors of the existential movement—Kierkegaard, Nietzsche, and Kafka—will also be considered.
- 3830. AMERICAN PHILOSOPHY.** (4-4-0). Intensive readings in and discussions of the writings of six major thinkers from the "Golden Age" of American philosophy: Pierce, James, Royce, Santayana, Dewey, and Whitehead. Prerequisite: three hours of philosophy and sophomore standing.
- 3840. CONTEMPORARY ANALYTIC PHILOSOPHY.** (4-4-0). A survey of analytic philosophy of this and the 20th century through a consideration of movements such as logical atomism, logical positivism, and ordinary language philosophy, and figures such as Frege, Russell, Wittgenstein, Austin, and Quine. Prerequisite: three hours of philosophy and sophomore standing.
- 3850. SYMBOLIC LOGIC.** (4-4-0). An introduction to sentential and first-order predicate logic. Emphasis on the language of these logics, translation into their languages from natural languages, and proof techniques. Some attention to the philosophy and history of logic, alternative logics, and metatheory. Prerequisite: sophomore standing.
- 3860. PHILOSOPHY OF KNOWLEDGE.** (4-4-0). Central topics in the philosophy of knowledge, including skepticism, justification, truth, and perception. Prerequisite: three hours of philosophy and sophomore standing.
- 3870. PHILOSOPHY OF FILM.** (4-4-0). Central topics in the philosophy of film, including the nature of photographic and moving images, as well as issues in aesthetics, epistemology, and ethics as they relate to films and motion pictures. Prerequisite: three hours of philosophy and sophomore standing.
- 3880. STUDY OF A MAJOR PHILOSOPHER.** (4-4-0). Intensive study of a major philosopher, emphasizing representative works and critical responses to those works. May be repeated for credit as topic varies. Prerequisite: sophomore standing.
Subtitles:
01- Plato
02- Aristotle
03- Aquinas
04- Descartes
07- Kant
09- Nietzsche
11- William James
- 3890. DIRECTED STUDY IN PHILOSOPHY.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.
- 3900. PHILOSOPHY OF SCIENCE.** (3-3-0). Issues in the philosophy of science and philosophical issues in scientific reasoning: e.g. explanation, selection, what is science. Helpful for students interested in developing a stronger understanding of the discipline of science or a deeper understanding of a particular area of inquiry in philosophy.
- 4100. PHILOSOPHY AND LITERATURE.** (4-4-0). An examination of philosophical issues that arise in literature and are about literature.

- 4890. ADVANCED READING IN PHILOSOPHY.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' RUSSIAN (SRUS)

- 1700. INTRODUCTION TO RUSSIAN I.** (1-1-0). An introduction to practical spoken Russian for tourism and business.
- 1710. INTRODUCTION TO RUSSIAN II.** (1-1-0). A continuation of SRUS 1700.
- 2890. DIRECTED STUDY IN RUSSIAN.** (4-4-0). A course in Russian grammar and conversation for students with at least two years of Russian grammar at high-school level or SRUS 1700/1710, or consent of instructor. This course does not fulfill in any way the Scholars' College language requirement.

SCHOLARS' SCIENCE (SSCI)

- 2010. SCIENCE SEMINAR I.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This first semester emphasizes oral expression in addition to writing skills. Prerequisites and corequisites: credit for SCRT 181W and credit for or enrollment in one of the following: SBIO 1830, SCHM 1840, SECL 1910, 1920, PHYS 2030, or 2510.
- 2020. SCIENCE SEMINAR II.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This second semester considers oral expression and writing skills to be important. Prerequisites: credit for SSCI 2010 and credit for or enrollment in two of the following: SBIO 1830, 1850; SCHM 1840, 1860; SECL 1910, 1920; PHYS 2030, 2040, 2510, or 2520.
- 2030. SCIENCE SEMINAR III.** (1-1-0). Small group discussions of selected readings by and about scientists and science. This last semester of the required core sequence emphasizes writing skills in addition to oral expression. Prerequisites: credit for SSCI 2020 and credit for or enrollment in three of the following: SBIO 1830, 1850, SCHM 1840, 1860; SECL 1910, 1920; PHYS 2030, 2040, 2510, or 2520.
- 2040. SCIENCE SEMINAR IV.** (1-1-0). Small group discussion of selected readings by and about scientists and science. Elective satisfying the science requirement of the Liberal Arts minor. Prerequisite: SSCI 2030. May be repeated once for credit.
- 3010. MCAT PREPARATORY COURSE.** (3-3-0). A review of material covered on the Medical College Admissions Test (MCAT), including biology, inorganic and organic chemistry, physics, and verbal test materials. Students will receive instruction on MCAT test-taking skills and will take at least four MCAT practice tests. Prerequisites or corequisites: one year of general biology, one year of inorganic chemistry, one year of organic chemistry, one year of physics.
- 480T. THESIS RESEARCH – SCIENTIFIC INQUIRY.** (2-0-0). Preparation (independent research and preliminary writing) of a senior thesis or project in the humanities or social sciences. Prerequisite: SLSC 4000.
- 482T. THESIS – SCIENTIFIC INQUIRY.** (3-0-0). Completion of a senior thesis in mathematics or the sciences. Continuous enrollment is required until the satisfactory completion of the thesis. Prerequisite: 480T.
- 4890. ADVANCED READING IN SCIENCE.** (1 to 4-1 to 4-0). Supervised independent study on an advanced level on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: Consent of instructor.

SCHOLARS' SERVICE LEARNING (SERV)

1850. **SCHOLARS' COLLEGE SERVICE LEARNING I.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
2850. **SCHOLARS' COLLEGE SERVICE LEARNING II.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
3850. **SCHOLARS' COLLEGE SERVICE LEARNING III.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.
4850. **SCHOLARS' COLLEGE SERVICE LEARNING IV.** (1-0-1). Service Learning course as a corequisite for a Scholars' College course.

SCHOLARS' SPANISH (SSPN)

1810. **SPANISH I HONORS.** (3-3-0). An introduction to Spanish grammar, pronunciation, and vocabulary. The course seeks to develop a knowledge of Spanish culture as well as skill in understanding, speaking, reading, and writing.
2810. **SPANISH II HONORS.** (3-3-0). A continuation of 1810, emphasizing basic grammar including the past tenses, the future, and the conditional. Prerequisite: 1810 or consent of instructor.
2820. **SPANISH III HONORS.** (3-3-0). A comprehensive review of Spanish grammar, reading, discussion, and writing, and an introduction to Spanish and Latin American culture. Prerequisite: 2810 or consent of instructor.
2830. **SPANISH IV HONORS.** (3-3-0). A thorough introduction to Hispanic literature and civilization. Prerequisite: credit for 2820 or consent of instructor.
3890. **DIRECTED STUDY IN SPANISH.** (1 to 4-1 to 4-0). Supervised independent study on a topic not normally covered in regular course offerings. May be repeated when the topic varies. Prerequisite: consent of instructor.

SCHOLARS' STATISTICS (SSTA)

3810. **APPLIED STATISTICS.** (3-3-0). Introduction to descriptive and inferential statistics with an emphasis on applications. Topics include Chi-square, G test, t test, Wilcoxon tests, Kruskal-Wallis test, and single, two-way, and nested analysis of variance. Practice using spreadsheets to perform statistical tests. Prerequisite: SMAT 1820.

SCHOLARS' TEXT & TRADITIONS (SCTT)

1810. **TEXTS AND TRADITIONS I: THE SHAPING OF WESTERN THOUGHT.** (5-5-0). A close study of selections from the history of western thought, including major philosophical, scientific, literary, political, and artistic works. The ancient world; early myth, the Old Testament, classical antiquity: works by authors such as, Homer, Sophocles, Plato, Vergil, Juvenal, and others.
1820. **TEXTS AND TRADITIONS II: THE SHAPING OF WESTERN THOUGHT.** (4-4-0). A continuation of 1810. The Middle Ages, the Renaissance, the seventeenth and early eighteenth centuries; works by authors such as Boethius, Dante, Machiavelli, Descartes, Galileo, Shakespeare, and others.
2810. **TEXTS AND TRADITIONS III: THE SHAPING OF WESTERN THOUGHT.** (4-4-0). A continuation of 1820. The eighteenth and nineteenth centuries; works by authors such as Voltaire, Rousseau, Austen, Marx, Mill, Darwin, Dostoyevsky, Nietzsche, and others. Prerequisite: SCRT 181W.
2820. **TEXTS AND TRADITIONS IV: THE SHAPING OF WESTERN THOUGHT.** (4-4-0). A continuation of 2810. The twentieth century; works by authors such as Freud, Conrad, Weber, Woolf, Eliot, Levi-Strauss, Bóll and others. Prerequisite: SCRT 181W.

3810. **TEXTS AND TRADITIONS V, DEMOCRATIC VISTAS: THE IDEA OF AMERICA.** (4-4-0). Major documents from the American cultural tradition, including works by Winthrop, Edwards, Franklin, Jefferson, Tocqueville, Hawthorne, Thoreau, Fuller, Dickinson, Mark Twain, Charles Ives, Jasper Johns, Faulkner, Toni Morrison, and others. Prerequisite: SCRT 181W.

SCIENCE (SCI)

For Undergraduates Only

1010. **BASIC CONCEPTS OF PHYSICAL SCIENCE I.** (3-3-0). Basic concepts of physics and chemistry. (May not receive credit for both Science 1010 and Chemistry 1030 or 1070.)
1020. **BASIC CONCEPTS OF BIOLOGICAL SCIENCE I.** (3-3-0). Chemical basis of life, cell structure and specialization, cellular respiration, photosynthesis, patterns of inheritance, nature and action of genes, simplified classification and evolution of plants, and organismic processes. Prerequisite: 1010 or CHEM 1030 or CHEM 1070. (Students may not receive credit for both Science 1020 and Biology 1010.)
2000. **FOUNDATIONS OF LIFE.** (3-3-0). Application of basic scientific concepts to recent advances in our knowledge of living systems. Prerequisite: 1020. (May not receive credit for both Science 2000 and Biology 1130 or 2060.)
2010. **BASIC CONCEPTS OF PHYSICAL SCIENCE II.** (3-3-0). Basic concepts of astronomy and earth science, selected topics from contemporary science. Prerequisite: 1020. (May not receive credit for both Science 2010 and Chemistry 1040.)
2020. **BASIC CONCEPTS OF BIOLOGICAL SCIENCE II.** (3-3-0). Basic biological principles with emphasis on organismal biology, evolution, ecology, and environmental concerns. Prerequisite: 1020. (Students may not receive credit for both Science 2020 and Biology 1020.)
2030. **PHYSICAL GEOLOGY.** (3-3-0). Cycles and rhythms of geological processes of the earth; impact of man on the geological environment. Prerequisite: 1020. (May not receive credit for both Science 2030 and Geology 1030.)
3011. **PHYSICAL SCIENCE LABORATORY I.** (1-0-3). Practical experience in the design, construct and conduct experiments in basic physics and chemistry at an introductory level. These experiments will demonstrate concepts relevant to elementary physical science. Prerequisite: 1010, 1020, 2010.

For Graduates Only

5010. **SCIENCE FOR ELEMENTARY SCHOOL TEACHERS.** (3-3-0). Topics in biological, physical and earth science for elementary school teachers. Prerequisite: Twelve hours of science.
5020. **HISTORY AND PHILOSOPHY OF NATURAL SCIENCE.** (3-3-0). The development of the sciences will be studied and the process known as scientific thought will be critically examined. Students will be thoroughly familiar with early and traditional science by the end of the course, and will be comfortable with the vocabulary and general scientific principles of the disciplines.

SOCIAL STUDIES (SST)

For Undergraduates Only

1030. **SOCIAL SCIENCES SEMINAR.** (3-3-0). An introduction to study in the social sciences, and college level skills and expectations. This seminar is interdisciplinary, exposing the student to a variety of social science disciplines and how they relate to each other. Specific topics include social science writing, thinking and research in the social sciences as complimentary disciplines.

- 3030. LOUISIANA STUDIES.** (3-3-0). Louisiana in the South and the Nation; the natural landscape; exploration and colonization by Europeans; economic, social, and political development during the French, Spanish, and American periods; Louisiana and Southern industrialization.
- 4020. SOCIAL SCIENCE SENIOR SEMINAR.** (3-3-0). Course prepares graduating Social Science students to enter the job market or graduate school. Includes sections on researching the job market, resume preparation, and interview techniques; as well as selecting graduate schools, preparing portfolios, and the application process. Also reviews common social science knowledge of critical thinking, research questions and designs, hypothesis testing and research ethics. Prerequisite: Senior standing.
- 4980. SPECIAL TOPICS.** (3-3-0). Special offerings in the Social Sciences. May be repeated for credit when the topic varies. Prerequisite: Consent of Instructor.
Subtitles:
01 – The Harlem Renaissance
02 – Globalization

SOCIAL WORK (SOWK)

For Undergraduates Only

- 12010. CRITICAL THINKING AND WRITING IN SOCIAL WORK.** (3-3-0). This course is designed to assist students in mastering competencies in critical thinking through an introduction to writing for the social sciences. Proper use of the American Psychological Association (APA) style of writing is highlighted through the examination and development of manuscripts and literature reviews.
- 12090. SOCIAL WELFARE AS A SOCIAL INSTITUTION.** (3-3-0). History and perspectives of social welfare as a social institution. Specific attention paid to those welfare policies affecting populations at risk.
- 12100. SOCIAL WORK AS A PROFESSION.** (3-3-0). Development of social work as a profession. Value, knowledge, and skill bases of social work in the perspective of generalist philosophy.
- 13030. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT I.** (3-3-0). This course is an exploration of human growth and development within the social contexts of micro, mezzo and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from conception through middle childhood. Prerequisite: PSYC 1010.
- 13040. HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT II.** (3-3-0). This course is an exploration of human growth and development within the social contexts of micro, mezzo and macro systems, utilizing a life course perspective. Areas of focus include theories of human development and behavior with a special emphasis on diversity and social problems. Content is organized from adolescence through very late adulthood. Prerequisite: 3030.
- 13060. SOCIAL WORK PRACTICE WITH OLDER ADULTS.** (3-3-0). Theoretical perspectives and intervention strategies to meet the needs of older adults are presented. Economic, social and psychological concerns of the vulnerable elderly, particularly minorities and women, are identified. The continuum of social work practice, from individual treatment to community intervention, is discussed. Prerequisite: Junior standing.
- 13120. GENERALIST PRACTICE I.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing individuals. Specific attention paid to problem solving and the roles of generalist social work. Prerequisite: Admission to the Professional Social Work Program.
- 13130. GENERALIST PRACTICE II.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing families and groups. Specific attention paid to the professional development of use of self within the context of a diverse society. Prerequisite: 3120 with a grade of C or better.
- 13140. GENERALIST PRACTICE III.** (3-3-0). Social work processes, concepts, and theories applied to generalist practice intervention. Establishment of professional relationships and skills applicable to multi level systems emphasizing community and organizations. Specific attention paid to the issues of social and economic justice. Prerequisite: 3130 with a grade of C or better.
- 13180. TECHNIQUES OF INTERVIEWING/SOCIAL WORK VALUES AND ETHICS.** (3-3-0). Interviewing skills for working with various client systems. Development of self-awareness and the use of self in generalist social work practice. Analysis of the values and ethics of the profession, with exploration of models of ethical decision-making. Prerequisite: 3120 and Admission to Social Work Program.
- 13350. ECONOMICS AND SOCIAL WORK.** (3-3-0). This course examines the structure, function and interaction of economics, politics and social welfare. The nature and scope of the U.S. economic and political system is presented. Social welfare policy is placed within the context of economic and political demands. Selected social welfare problems are surveyed and examined, e.g. poverty, unemployment, income distribution, economic inequality, health issues, and discrimination. Prerequisite: 2090.
- 14030. STATISTICS IN SOCIAL WORK RESEARCH.** (3-3-0). Descriptive and inferential statistics for social workers. Levels of measurement, measure of central tendency and variability, cross tabulation analysis, correlation, and hypothesis testing including chi-square, analysis of variance, and multiple correlation and regression analysis. Prerequisite: MATH 1060.
- 14040. SOCIAL WORK RESEARCH METHODS.** (3-3-0). The fundamentals of social work research, practice and program evaluation. Quantitative and qualitative methods of problem formulation, measurement, research design, observation, and analysis of data for social workers. Corequisite: 4190. Prerequisites: 3130, 4030.
- 14050. PREPARATION FOR MARRIAGE AND FAMILY LIFE.** (3-3-0). Factors necessary for adequate marriage preparation; dating, engagement and the communications process. Elements of successful family life; causes of marital breakdowns; significance of the self-concept in marital adjustment. Prerequisite: Junior standing.
- 14190. FIELD WORK.** (6 to 12-0-0). Placement concurrent with other classes. Sixteen to 32 hours per week directed field practice education and two-hour weekly seminar integrating theory and field instruction. Social work majors only. Prerequisite: 3130.
- 14220. SELF ACTUALIZATION FOR SOCIAL WORK.** (1 to 3-3-0). Use of the laboratory approach in helping the student assess and enhance his capacity for working effectively with people in social work settings. Through a group approach, focus will be on self awareness, interpersonal communication, and the promotion of personal growth. Prerequisite: Consent of instructor.
- 14230. INTRODUCTION TO CHILD WELFARE.** (3-3-0). General introduction to major topics in child welfare, including historical and philosophical foundations, protective services, guardianship, services in the home, out-of-home care, child advocacy, and related topics. Prerequisite: Junior standing.
- 14240. HUMAN SEXUALITY.** (1 to 3-3-0). Dynamics of human sexual development; the whole person and adjustment at critical life stages; management of sexual maladjustment difficulties; approaches to sex education. Prerequisite: Senior standing or consent of instructor.

- 14250. WORKING WITH COUPLES (3-3-0).** This course provides skills for basic counseling with couples. Information, such as couple assessments, teaching communication techniques, healing interventions and termination will be addressed. In addition to this, special topics such as extra-marital affairs, spousal abuse, and interracial marriages will be covered. Prerequisite: Junior standing.
- 14260. PROTECTIVE SERVICES IN CHILD WELFARE. (3-3-0).** Effects of physical, sexual, and emotional abuse on children; causes and consequences of neglect; approaches to the prevention of child abuse and neglect, permanency planning, foster care, adoption, and institutional services, family preservation, and related topics. Prerequisite: Junior standing.
- 14270. CHILD WELFARE AND THE LAW. (3-3-0).** Legal authority for child welfare programs, juvenile and family courts, testifying in court, important court decisions in child welfare, review of the Louisiana Children's Code, and related topics. Prerequisite: Junior standing.
- 14280. FAMILY SERVICES. (3-3-0).** Family systems theory, cultural diversity and family systems, life cycle of the family, functional dysfunctional families, coping with separation, loss, and grief, intervention strategies and techniques, and related topics. Prerequisite: Junior standing.
- 14310. DOMESTIC VIOLENCE. (3-3-0).** Theories of domestic violence will be reviewed, the history of the battered women's movement, policies addressing domestic violence will be surveyed, prevention and intervention practice models will be discussed, and research on domestic violence will be reviewed.
- 14350. ANALYSIS OF CONTEMPORARY SOCIAL POLICY ISSUES. (3-3-0).** Contemporary social policy issues will be examined and analyzed from varying perspectives. Evaluation of the implementation of these contemporary policies will be examined in relationship to populations at risk. Prerequisite: 2090.
- 14370. STRESS MANAGEMENT. (3-3-0).** Nature of stress and burnout. Identification and evaluation of psychological and environmental stressors. Techniques and strategies for coping with stress. Prerequisite: Junior standing or consent of instructor.
- 14450. CULTURAL DIVERSITY. (3-3-0).** Examines the cultural characteristics of minorities, multicultural perspectives on families, and effective culture-sensitive social work practice with diverse populations.
- 14800. PRACTICE IN ADDICTIVE DISORDERS. (3-3-0).** Understanding of the etiological, epidemiological, physiological and psychological aspects of substance abuse. Major theoretical underpinnings of both the addictive process and treatment protocols of alcohol, drug and tobacco use/abuse problems as related to individuals, families, groups and communities.
- 14900. DIFFERENTIAL DIAGNOSIS IN SOCIAL WORK. (3-3-0).** This course examines maladaptive patterns of mental functioning. The course provides advance level study of the range of psychopathology, issues involved in the classification of mental disorders and the implications for professional social work intervention. Prerequisite: Senior standing and consent of instructor.
- 5260. PROTECTIVE SERVICES IN CHILD WELFARE. (3-3-0).** Effects of physical, sexual, and emotional abuse on children; causes and consequences of neglect; approaches to the prevention of child abuse and neglect, permanency planning, foster care, adoption, and institutional services, family preservation, and related topics. Prerequisite: Graduate school admission.
- 5270. CHILD WELFARE AND THE LAW. (3-3-0).** Legal authority for child welfare programs, juvenile and family courts, testifying in court, important court decisions in child welfare, review of the Louisiana Children's Code, and related topics. Prerequisite: Graduate school admission.
- 5290. COACHING AND MENTORING NEW CHILD WELFARE SUPERVISORS. (3-3-0).** Mentoring skills specific to the needs of child welfare supervisors; clinical skills needed for effective supervision and mentoring. Prerequisite: Consent of instructor.

SOCIOLOGY (SOC)

For Undergraduates Only

- 1010. PRINCIPLES OF SOCIOLOGY. (3-3-0).** Human social relationships and processes; functioning of familial, recreational, religious, economic, political, and other social groups in contemporary society.
- 2020. SOCIAL PROBLEMS. (3-3-0).** Social problems of modern life, especially those related to changes in social organization; crime; racial conflicts; economic maladjustments resulting from modern industrialization; urbanization and population trends. Prerequisite: 1010, sophomore standing.
- 3080. URBAN SOCIOLOGY. (3-3-0).** The city as nucleus of modern industrial society; urban institutions, population, ecology, and problems. Prerequisite: 1010 or consent of instructor.
- 3230. SOCIOLOGY OF DEVIANCE. (3-3-0).** Sociological theories of deviant behavior; with discussion of current research in mental illness, crime, cyber-crime, terrorism, sexual deviance, drug abuse, and suicide. Prerequisite: 1010.
- 3580. SOCIAL STRATIFICATION. (3-3-0).** An examination of social stratification in U.S. society with comparisons to other countries. The course explores different indicators of inequality, the social class system, theories of inequality, poverty, social mobility, and legitimization of inequality. It also explores racial and gender stratification. Prerequisite: six hours of sociology or consent of instructor.
- 4080. RACE AND CULTURE RELATIONS FOR PURE AND APPLIED SOCIOLOGY. (3-3-0).** Race as a biological and cultural concept; status of minority groups in contemporary societies; conditions in the U.S. Prerequisite: 1010 or consent of instructor.
- 4400. SOCIOLOGY OF THE FAMILY. (3-3-0).** Family as a social institution in various cultures. Theory and research concerned with the family. Prerequisites: 1010 and junior standing or consent of instructor.
- 4500. SEMINAR IN DRUG ABUSE. (1 to 3-3-0).** Extent of the problem and its setting; contributing factors and consequences; patterns and meanings in youthful drug use; programs for prevention and rehabilitation. Prerequisite: 2020 or consent of instructor.

SPACE SCIENCE (SPSC)

For Undergraduates Only

- 1010. SPECIAL TOPICS IN SPACE SCIENCE. (1-2-0).** Elementary concepts in space science. Open only to students designated as NASA Scholars. No more than four hours may apply toward degree requirements.

¹ Social Work courses can be used as social science electives.

For Graduates Only

- 5230. INTRODUCTION TO CHILD WELFARE. (3-3-0).** This course serves as a general introduction to major topics in child welfare, including historical and philosophical foundations, protective services, guardianship, services in the home, out-of-home care, child advocacy, and related topics.

- 5120. INTRODUCTION TO SPACE FLIGHT FOR ELEMENTARY TEACHERS.** (3-3-0). The development of rocket flight from 1906 to 1970 by the major designers. Considerations for satellite design for earth or interplanetary flight. A brief study of the solar system and introduction to central force fields. Prerequisite: Six hours of mathematics and six hours of physical science.
- 5130. INTRODUCTION TO ASTROPHYSICS AND SPACE SCIENCE FOR SECONDARY TEACHERS.** (3-3-0). The solar system, celestial mechanics, stellar structure, galactic phenomena, and cosmology. Prerequisites: Two semesters of general physics, Mathematics 2100. The course will substitute for a physics course in a certification program for general science.

SPANISH (SPAN)

For Undergraduates Only

- 1010. INTRODUCTION TO SPANISH.** (3-3-0). Audio-lingual approach, with a minimum of formal grammar; emphasis on conversation.
- 1020. ELEMENTARY SPANISH.** (3-3-0). Continuation of 1010. Prerequisite: 1010.
- 2010. INTERMEDIATE SPANISH.** (3-3-0). Audio-lingual approach continued, supplemented by drill in the language laboratory. Reading material of moderate difficulty. Prerequisite: 1010, 1020.
- 2020. INTERMEDIATE SPANISH.** (3-3-0). Continued reading with discussions in Spanish. Review of the basic principles of grammar. Prerequisite: 2010.
- 2990. DIRECTED READING.** (3-3-0). For students pursuing a Spanish minor. May not be repeated. Does not satisfy 12 semester hour foreign language requirement.
- 3060. SPANISH GRAMMAR AND COMPOSITION I.** (3-3-0). Spanish grammar and syntax; oral pattern drills and the writing of original compositions.
- 3070. SPANISH GRAMMAR AND COMPOSITION II.** (3-3-0). Continuation of 3060. Prerequisite: 3060.
- 3080. SPANISH CONVERSATION.** (3-3-0). Concentrated practice on the oral phases of the language.
- 3090. SPANISH CONVERSATION.** (3-3-0). Continued concentrated practice on the oral phases of the language.
- 3100. SURVEY OF SPANISH LITERATURE FROM THE MIDDLE AGES THROUGH THE 17TH CENTURY.** (3-3-0). Forces behind the literature; outstanding examples of the literature.
- 3110. SURVEY OF SPANISH LITERATURE FROM THE 18TH CENTURY TO MODERN TIMES.** (3-3-0). Forces behind the literature; outstanding examples of the literature. Prerequisite: 3100.
- 4210. SPANISH CULTURE AND CIVILIZATION.** (3-3-0). Integration of historical, political, social, and artistic strata in Spanish culture.
- 4420. TRANSLATION.** (3-3-0). An analytic approach to the structures of Spanish and English; strategies and techniques for the translation of texts; emphasis on topics of special interest. Prerequisite: SPAN 2020 or approval of instructor. Strongly recommended: SPAN 3060/3070 or 3080/3090.

SPECIAL EDUCATION (SPED)

For Undergraduates Only

- 3460. INTRODUCTION TO THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). A survey of disabilities as defined under the IDEA, with emphasis on educational implications and inclusionary practices in school and community settings.

- 5070. SEMINAR IN SPECIAL EDUCATION; GIFTED.** (3-3-0). Review and critique of current literature and programs for gifted and talented children and adolescents.
- 5310. IDENTIFICATION AND ASSESSMENT IN EARLY INTERVENTION.** (3-3-0). Early intervention phases of assessment and on-going evaluation through multidisciplinary collaboration.
- 5320. FOUNDATIONS OF EARLY CHILDHOOD EDUCATION FOR YOUNG CHILDREN WITH DISABILITIES.** (3-3-0). Historical developments, early intervention rationale, literature concerning various placement centers, current law and due process procedures, trends and issues, model program studies, staffing and administrative concerns, community and parent concerns. Twenty contact hours as defined by certification standards.
- 5350. FAMILIES OF INDIVIDUALS WITH EXCEPTIONAL NEEDS.** (3-3-0). Theory and practice related to collaborating with families, stressing interpersonal skills required to develop and maintain the communication/organizational home-school interrelationships necessary for optimal educational planning for individuals with exceptional needs. Due process and parental rights guaranteed under the Individuals with Disabilities Education Act (IDEA). Requires 35 hours of clinical and field-based experiences.
- 5370. CURRICULUM AND METHODS FOR NON-CATEGORICAL EARLY CHILDHOOD SPECIAL EDUCATION.** (3-3-0). Overview of models of early intervention with varying philosophical bases, including their applicability and relevance for infant/toddlers/ preschool children with special needs. A study of developmental intervention curricula including language/communication and cognitive, physical, and social-emotional. Service delivery options will emphasize the least restrictive environment.
- 5380. CURRICULUM-BASED ASSESSMENT.** (3-2-2). Designed to provide teachers with the procedures and tools used to construct and administer curriculum-based assessments for instructional planning and evaluation of student performance. Requires 40 hours of clinical and field-based experiences.
- 5460. FIELD STUDY IN SPECIAL EDUCATION.** (6-6-0). Original field research project. Conducting a useful applied research study. The final product will be a written report on the research project.
- 5480. PRACTICUM IN ASSESSMENT.** (3-0-4). Administration of curriculum-based assessments for instructional planning and evaluation of student performance. Requires 60 hours of clinical and field-based experiences in conducting, reporting, and analyzing assessments.
- 5510. THE STUDY OF INDIVIDUALS WITH DISABILITIES.** (3-3-0). Introduction to the study of individuals with disabilities. Common types of physical, learning, and behavior/emotional disabilities and implications for their life-long success in education and other settings.
- 5600. RESEARCH-VALIDATED INSTRUCTIONAL PRACTICES IN SPECIAL EDUCATION.** (3-2-2). Research-validated instructional and assistive technology practices for students with diverse learning strengths and needs in Grades 1 - 5, Grades 4 - 8, and Grades 6 - 12 for a minimum of 35 hours of clinical and field-based experiences.
- 5620. SPECIAL EDUCATION COMPLIANCE.** (3-3-0). Special education legislation, federal, and State of Louisiana.
- 5640. VOCATIONAL AND TRANSITION SERVICES FOR STUDENTS WITH EXCEPTIONAL NEEDS.** (3-3-0). Career development and transition education for students with exceptional learning needs. Curricular aspects and strategies for providing transition services for students with exceptional learning needs across the life span. Requires 10 hours of clinical and field-based experiences.

- 5830. TEACHING CREATIVE THINKING.** (3-3-0). Study and application of theories, models, assessment, and development of creativity in education.
- 5840. PSYCHOLOGY OF THE GIFTED.** (3-3-0). Philosophies, theories, models, and research in gifted education. Definitions and methods of identification, characteristics, personality development and adjustment regarding the nature and needs of the gifted.
- 5860. TRENDS AND ISSUES IN CURRICULUM DEVELOPMENT FOR THE ACADEMICALLY GIFTED.** (3-3-0). Research and developments in educating the academically gifted, culminating with a research paper. Prerequisite: 5840 or consent of instructor.
- 5870. COUNSELING THE GIFTED.** (3-3-0). Designed to provide teachers and counselors with techniques for enhancing interpersonal relationships with gifted students. Emphasis on communication skills, counseling interventions, and specific strategies for facilitating emotional wellness and coping ability in gifted students. (Same as Counseling 5870).
- 5890. CURRICULUM AND METHODS FOR THE ACADEMICALLY GIFTED.** (3-3-0). Philosophy, aims, theories, organization and development of curricula and individual education programs for academically gifted students. Review and critical evaluation of materials, techniques, strategies, curricula, and programs used for educating the gifted.
- 5900. PRACTICUM, ACADEMICALLY GIFTED.** (3-0-6). University-supervised participation in program designed to teach academically gifted students. May be repeated for a maximum of nine hours credit in order to obtain the student-contact hours required for state certification. Prerequisites: 5840 and 5860 or 5890 or consent of instructor, application required.
- 5920. TRENDS AND ISSUES IN SPECIAL EDUCATION.** (3-3-0). Current trends and issues, and philosophical concepts in special education.
- 5960. INTERACTIVE TEAMING AND PHYSICAL AND MEDICAL MANAGEMENT.** (3-3-0). Interactive strategies, effective communication and collaboration for teaming with families, schools, and interagency professionals to support individuals with exceptional needs in the least restrictive environment. In addition, effective physical and medical management techniques will be discussed and applied. Requires 35 hours of clinical and field-based experiences.
- 5970. PRECISION ASSESSMENT AND EVIDENCE-BASED DIAGNOSTIC AND PRESCRIPTIVE STRATEGIES PRACTICES.** (3-0-0). The study of formal and informal psychoeducational tests used with individuals with exceptional learning needs, psychoeducational interpretation of these tests, and the use of the evidence-based diagnostic and prescriptive teaching model based on the analysis of student strengths and needs.

STATISTICS (STAT)

For Undergraduates Only

- 4060. INTRODUCTION TO DATA MINING.** (3-3-0). This course will introduce students to data mining algorithms and relevant software. Topics include clustering, regression models, classification, training, cross-validation, and model comparison. Prerequisites: CSC 1060; BIOL 3060 or MATH 2050.
- 4270. MATHEMATICAL STATISTICS I.** (3-3-0). Topics in probability; frequency distribution, expected values, moments; sampling distributions; point estimation. Prerequisite: Mathematics 3150.

STUDENT AFFAIRS IN HIGHER EDUCATION (SAHE)

For Undergraduates Only

- 1010. IDENTITY AND INTERPERSONAL SKILLS.** (3-3-0). This course is designed to engage students in personal introspection by learning proactive interpersonal skills and being challenged by their peers through discussion and experiential activities. This course will assist students with development of a personal identity, adjustment to college, and effective interaction with individuals and diverse groups.
- 1020. PEER MEDIATION AND LEADERSHIP DEVELOPMENT.** (2-2-0). Develop skills in peer mediation, helping competencies, leadership, communication, and knowledge of organizational procedures in potential college leaders. Prerequisite: Consent of instructor.
- 1030. PRACTICAL EXPERIENCE IN COLLEGE LEADERSHIP DEVELOPMENT.** (2-2-0). Continuation of SAHE 1020; this course will focus on development, presentation, and critique of projects related to leadership and organizational roles on the college campus. Prerequisite: SAHE 1020.
- 2020. RESIDENT ASSISTANT SKILLS TRAINING.** (3-3-0). Acquisition of basic interpersonal and counseling skills, student development theory, methods and techniques of community building, educational and social programming, discipline, student government advisement, and multicultural competencies. Enrollment by permission of Department of Housing only.
- 4000. COLLEGE TO WORK TRANSITION SKILLS.** (3-2-2). A senior capstone interdisciplinary course that focuses on the process and psychology of the transition from undergraduate studies to the world of employment and to graduate studies. Designed to provide graduating students with a solid foundation of skills and abilities appropriate for making the transition. Prerequisite: Junior or senior standing.

For Graduates Only

- 5500. INTRODUCTION TO STUDENT AFFAIRS IN HIGHER EDUCATION.** (3-3-1). Introduction to the philosophies, competencies, and objectives of Student Affairs work in higher education.
- 5550. SUPERVISED EXPERIENCE/PRACTICUM.** (3-1-5). Supervised training opportunity to practice and demonstrate competencies in the practical application and integration of principles and methods which have been studied. Designed for students with limited to no experience in higher education. This course may not be used as a course elective and is not required for SAHE degree program. Prerequisite: Admission to the Student Affairs in Higher Education program; completion of 9 hours in SAHE courses with a 3.00; and permission of faculty.
- 5570. INTERNSHIP IN STUDENT AFFAIRS IN HIGHER EDUCATION.** (3-1-20). Practice and training in a specific area of Student Affairs Administration. Experience entails a minimum of 300 hours of service; development and implementation of programming to address an issue within the scope of the environment and is consistent with research proposed in EDUC 5010. Prerequisite: 15 hours of SAHE coursework with 3.00 and faculty permission.
- Subtitles:
 01-housing
 02-greek life
 03-career placement/development
 04-student activities
 05-financial aid
 06-registrar
 07-admission and recruitment
 08-auxiliary services
 09-orientation
 10-veterans affairs

- 11-properties and facilities
- 12-advising
- 13-student services
- 14-external affairs
- 15-research and development
- 16-continuing education
- 17-student athletic services
- 18-disability services
- 5580. **GROUP PROCESS.** (3-3-0). Principles and techniques of group procedures; interactions and roles played within groups; function of groups.
- 5920. **THE AMERICAN COLLEGE AND STUDENT.** (3-3-0). Student development theory focusing on the developmental issues of college students and the impact of college environments upon students.
- 5930. **ORGANIZATION AND ADMINISTRATION OF STUDENT PERSONNEL SERVICES IN HIGHER EDUCATION.** (3-3-0). Seminar in organization and administration of systems for providing student personnel services in higher education. Prerequisite: 5500.
- 5940. **SEMINAR IN STUDENT AFFAIRS AND HIGHER EDUCATION.** (3-3-0). Contemporary issues, trends, and research in student affairs. In-service activities will focus on professional ethics, standards, leadership, budgeting, compensation and benefits, campus environments and administration.
- 5950. **HISTORY OF HIGHER EDUCATION.** (3-3-0). This course examines major events in the development of colleges and universities in the United States. Special attention will be given to how the events have impacted access to higher education of specific populations and specified states. The course examines contemporary issues in higher education by exploring the intersections of historical, philosophical, and sociological forces that have shaped and continue to shape U.S. higher education. Prerequisite: Admission to Graduate School.
- 5960. **LEGAL AND ETHICAL ISSUES IN STUDENT AFFAIRS AND HIGHER EDUCATION.** (3-3-0). Overview of legal and ethical issues that arise in higher education. Special attention is paid to how the issues impact Student Affairs professionals.
- 5970. **SEMINAR IN CURRENT ISSUES IN HIGHER EDUCATION AND STUDENT AFFAIRS.** (3-3-0). This course focuses on special topics in student affairs work in higher education; includes current challenges to unique types of institutions and populations and cutting edge issues occurring each semester. Prerequisite: SAHE 5500, 5950, and 5920.
- 5980. **THESIS.** (3-0-3). Six hours maximum. This course will be required for students who have completed all required course work and are working on final paper requirement for degree. Course will not count as an elective or a required course. Prerequisite: permission of faculty.

THEATRE (THEA)

For Undergraduates Only

- 1001. **THEORY & SIGHT SINGING FOR MUSICAL THEATRE.** (2-0-3). Theory skills will be developed in the areas of rudimentary musical forms and terms; notes and note values and other basic theory techniques. Ear training and sight singing skills will be developed using traditional techniques. Prerequisite: Consent of instructor. For majors/minors only.
- 2030. **APPLIED THEATRE.** (1-0-1). Practical experience gained through participation in Northwestern Theatre productions and attendance of theatre meetings/events. For majors/minors only.
- 2140. **CONCEPTS OF DESIGN.** (3-3-0). The academic and applied principles of design are pondered and explored in the visual and compositional aspects of Theatre. Majors/minors or consent of instructor.
- 2300. **INTRODUCTION TO THEATRE ARTS.** (3-1-4). Provides students the opportunity to evaluate their personal fitness for the theatre profession while learning production organization and operations and developing an understanding of dramatic theory, genre and styles needed to effectively read plays and analyze the text. Production laboratory is required.
- 2310. **STAGECRAFT I.** (3-1-4). Design and execution of basic scenic units; crew and shop organization; scene painting. Participation in University and/or laboratory production.
- 2320. **ACTING TECHNIQUE I.** (3-1-2). Study and skills involved in stage acting; body; voice; scene study; ensemble work. Prerequisite: For majors/minors, non-theatre majors with consent of instructor.
- 2330. **STAGECRAFT II.** (3-1-4). Rigging and handling scenery; design and execution of the floor plan; advanced construction techniques; logistics and budget. Prerequisite: 2310, and theatre majors only.
- 2340. **VOICE FOR THE ACTOR I.** (2-0-3). Principles of vocal production applied to the development of characterization for the stage. Prerequisite: For majors/minors only.
- 2350. **VOICE FOR THE ACTOR II.** (2-0-3). Advanced principles of vocal production applied to development of characterization for the stage. Added emphasis on period style and specialized vocal patterns (dialects). Prerequisites: For majors/minors only, THEA 2340 or consent of instructor.
- 2360. **THEATRE HISTORY AND LITERATURE.** (3-3-0). Early through Classical-Origins of drama: evolution of the stage and staging practices from ancient drama through the beginnings of the medieval era. Includes reading and critical examination of selected major works throughout the period, examined in historical and social context. Prerequisite: Majors/minors or consent of instructor.
- 2370. **DRAFTING FOR THEATRE.** (3-3-0). Understanding and creating theatre drafting; including floor plans, elevations, working drawings, sections and perspectives.
- 2380. **STAGE COMBAT.** (3-3-0). Study of stage combat and violence. Techniques involving Rapier and Dagger, Quarterstaff, and Unarmed Combat. Prerequisites: 2320 and consent of instructor.
- 3010. **THEATRE PRACTICUM.** (3-0-4). Applied arts. Practical experience gained through participation in backstage duties of Northwestern Theatre. May be repeated for credit - maximum of six hours. For non-majors only.
- 3030. **CREATIVE DRAMATICS.** (3-3-0). Emphasis on creative drama as an art form and the role of facilitator. Attention is given to beginning principles and methods of creating children's theatre.
- 3120. **STAGE MANAGEMENT.** (2-1-4). A practical study of the fundamentals of stage-managing. Duties; responsibilities; creating/organizing a prompt script; interpersonal communication. For majors only.
- 3140. **ADVANCED CRAFTS: FABRICATIONS FOR THEATRE-METAL.** (3-1-5). Lecture, discussion, demonstration, and hands-on practice of metal fabrication techniques as they apply to contemporary Theatre. Prerequisite: Consent of instructor.
- 3220. **DIRECTING I.** (3-1-4). A practical study of the fundamentals of directing. Duties; role; introduction to play analysis and theory; staging of exercises and short works. Prerequisite: THEA 2310 and 2320.
- 3300. **SUMMER THEATRE WORKSHOP.** (3-3-0). Training and experience in all phases of theatrical production; problems in acting and staging; public performance of full-length plays; experimental production of one-act plays. Prerequisite: Consent of the instructor. May be repeated for credit - maximum nine hours.
- 3320. **ACTING TECHNIQUE II.** (3-1-4). A practical study of the theories, techniques, and practices observed in contemporary acting. Prerequisite: 2320.
- 3330. **LIGHTING FOR THE STAGE.** (3-1-3). Elementary principles of illumination, control media, instrumentation. Practice in University and laboratory productions and/or programs servicing University functions. Prerequisite: 2310 or consent of instructor.

- 3340. COSTUMING CONSTRUCTION.** (3-1-4). Basic costume construction skills; hand sewing, alterations, reading commercial patterns. Construction of costumes for University and lab productions. Prerequisite: Consent of instructor.
- 3350. MAKE-UP FOR STAGE.** (3-1-3). Theory and practice of make-up for the stage and television. Character analysis make-up design and use of prosthetics. Participation in performance productions.
- 3360. ADVANCED COSTUME CONSTRUCTION.** (3-1-4). Execution of stage costumes, pattern making, and the elements outside of garment-making; fabric modification, mask making, and millinery will be explored. Prerequisite: 3340 or consent of instructor.
- 3380. THEATRE HISTORY AND LITERATURE II.** (3-3-0). Medieval and Renaissance through Romanticism. Continues the studies begun in Theatre History and Literature I. A survey of historiographical issues, historical periods, and important theatre literature through the Romantic era. Prerequisite: Majors/minors or consent of instructor.
- 3390. SOUND REINFORCEMENT AND RECORDING.** (3-1-4). Fundamental electronic and acoustic principles of sound reinforcement and audio/video recording. Techniques of sound engineering, systems and equipment. Psychoacoustic research and application to the stage and studio environment.
- 4020. THEATRE CURRICULA AND PLANNING.** (3-3-0). Theatre curricular for primary and secondary school. Provides students with access to the national curricula standard for theatre education methods and practice in developing lesson plans and activities to teach that curricular.
- 4030. CHILDREN'S THEATRE.** (3-3-0). A continuation of Creative Dramatics and the theory and practice related to all phases of producing plays for and with young people through junior high school age. Practical experience in university productions as required for one semester.
- 4040. DIRECTING II.** (3-3-0). Advanced study of directing for the stage, culminating in the production/direction of a one-act play. Prerequisite: THEA 2310, 2320, 3120, 3220 and/or consent of instructor.
- 4050. COSTUME HISTORY FOR THE STAGE.** (3-3-0). An overview of costume history focusing on theatrical eras. Course will include designing costumes from period plays. Course will also cover research and presentation skills for stage costume design.
- 4070. DIRECTING SPEECH AND DRAMA ACTIVITIES.** (3-3-0). This course is designed to assist any teacher, in directing speech and drama activities. During the course the students will direct debates, plays and individual events.
- 4220. ADVANCED ACTING.** (3-1-4). Teaches advanced technique and artistic mastery of various elements of the craft. Specific subject matter varies with instructor and needs of students. Prerequisite 2320, 3320 and consent of instructor.
- 4230. MUSICAL THEATRE PERFORMANCE.** (3-3-0). A specialized performance course in the presentation of musical theatre material from audition through performance. Emphasis on proper vocal technique and the acting and movement skills required for effective performance on the musical stage. May be repeated for credit - maximum of six hours. Prerequisite: 2320, 3320, 2340 and consent of instructor.
- 4240. ACTING SHAKESPEARE.** (3-0-3). Teaches and requires mastery of skills needed for playing Elizabethan drama with particular attention given to language and movement using the works of Shakespeare as the basis of exercises and scene work. Prerequisite: 2320, 3320 and consent of instructor.
- 4250. AUDITIONS.** (3-1-4). Specialized techniques necessary for actors to relate to the auditioning process including building an appropriate repertoire of material, preparing a resume and picture, and developing an audition "persona". Prerequisite: Two performance courses or consent of instructor.
- 4260. SPECIAL PROBLEMS – THEATRE LITERATURE.** (3-3-0). A periodic "Figures" course, allowing for a more intensive study of the major contributions to dramatic literature by specific playwrights.
- 4270. SPECIAL PROBLEMS IN THEATRE DESIGN/ TECHNOLOGY.** (3-1-4). An in depth course allowing intensive study in a specific area of technical theatre or design. Prerequisite: Consent of instructor.
- 4280. SPECIAL PROBLEMS IN PERFORMANCE AND DIRECTING.** (3-3-0). An in depth course allowing intensive, individual study in performance or directing for theatre. Prerequisite: 2320 and 3320 or 3220 and 4040 and consent of the instructor.
- 4300. PLAY WRITING.** (3-3-0). Dramatic forms, creative writing and presentation of original plays.
- 4310. SCENE DESIGN FOR STAGE.** (3-1-4). Principles of stage picturization; creating the stage environment for dramatic literature, the rear elevation; rendering the design cartoon; model building. Prerequisite: Consent of instructor.
- 4320. SURVEY OF PERIOD STYLES.** (3-3-0). A historical overview of architectural developments, ornamental trends, dress and culture. This course includes specific instruction and orientation to research techniques and sources. Prerequisite: Majors/minors only.
- 4330. THEATRE HISTORY AND LITERATURE III.** (3-3-0). The Modern Era. Continues the history and literature sequence, beginning with Realism and continuing through major movements of the 20th century. Prerequisite: Majors/minors or consent of instructor.
- 4340. CONTEMPORARY THEATRE HISTORY AND LITERATURE.** (3-3-0). Dramatic literature from the past twenty years and the study of the culture/society from which they develop. Prerequisite: Majors/minors or consent of the instructor.
- 4350. AMERICAN MUSICAL THEATRE HISTORY AND LITERATURE.** (3-3-0). A survey of the history and literature of the American musical theatre, its origins, its development and its effect on popular culture.
- 4360. THE BUSINESS OF THEATRE.** (3-3-0). Teaches career development and management skills for performers, designers, technicians, and managers.
- 4370. WORLD THEATRE STUDIES.** (3-3-0). Study of historical and contemporary drama in respect to non-western traditions; cultural diversity; African-American; gender; sexuality. Prerequisite: Majors/minors or consent of instructor.
- 4380. THE AMERICAN STAGE.** (3-3-0). The study of how plays and their productions have reflected America's changing social, political, and cultural concerns. This course traces the origins of American theatre and its relationship with American society and history, from its inception through the 20th century. Includes reading and critical examination of selected major works throughout the period, examined in historical and social context. Prerequisite: Theatre majors/minors or consent of the instructor.
- 4410. ADVANCED THEATRE PRACTICUM.** (2-0-4). Applied Arts. Advanced application of production techniques and participation in crew supervision, design or major technical assignment. Prerequisite: Consent of instructor.
- 4420. COSTUME DESIGN FOR STAGE.** (3-1-4). Introduction to costume design for theatre. From script, to rendering, to realization in a production. Prerequisite: 3360 and consent of instructor.
- 4430. LIGHTING DESIGN FOR STAGE.** (3-1-4). Principles of the light plot, relation of light and color to scene design. Advanced principles of contemporary control instrumentation. Practice in University and laboratory production and/or programs servicing various University functions. Prerequisite: 3330 or consent of instructor.
- 4450. VISUAL TECHNIQUES.** (3-1-4). The skills and possibilities in rendering and painting are explored through theory and practical application in Theatrical production. Prerequisite: Majors/minors only.
- 4480. SCRIPT ANALYSIS.** (3-3-0). An examination of the play script in terms of dramatic content and imagery. Emphasis on analysis as an information-gathering and interpreting tool.

4520. **DRAMATURGY.** (3-3-0). A practical study of the fundamentals of dramaturgy. Duties; role; text analysis; research; communication of ideas; investigation of plays and playwrights. Prerequisite: Consent of instructor.
4950. **UNITED STATES CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity in the U.S.
4960. **FOREIGN CENTERS.** (1 to 6-0-0). Study tours of selected centers of theatrical activity abroad.
4980. **SENIOR THESIS.** (3-0-0). Major directing, design or performance project and/or formal correlative paper. The project is to be staged for public presentation. Prerequisite: Senior standing in the curriculum.

For Graduates Only

5300. **SUMMER WORKSHOP.** (3 to 9-0-0). Supervision of production activities, practicum in organization, planning and execution of crew work; acting and directing in Summer Repertory Company. Prerequisite: 18 hours of courses or consent of director.
5320. **DIRECTING EDUCATIONAL THEATRE.** (3-3-0). Methods of supervising dramatic activities in elementary and secondary schools; organization of dramatic clubs, directing school plays, equipment of school stages. Prerequisite: Education 4020 or 4040 or teaching experience.
5950. **SPECIAL PROBLEMS.** (1 to 6-0-0).

¹ No more than nine hours of 5300 may apply toward a degree.

TUTORING (TUTR)

For Undergraduates Only

1010. **INTRODUCTION TO TUTORING.** (2-1-1). Introduced to effective tutoring methodology and theories of learning assistance as they relate to college age students in one-on-one and small group learning situations.
1020. **TUTORING METHODS.** (2-1-1). Methods and learning skill development in small group and individual settings. Topics include interpreting learning skills inventories, developing tutee study skills, working with special populations, and developing skills in specific subject areas. Prerequisites: 1010 and consent of instructor.
2010. **DEVELOPING TUTEE CRITICAL THINKING SKILLS.** (2-1-1). Practical knowledge and application of critical thinking and problem solving strategies. To train tutors to identify and evaluate tutee skill levels and how to encourage students to become critical thinkers. Prerequisite: 1020.

UNIFIED PUBLIC SAFETY ADMINISTRATION (UPSA)

For Undergraduates Only

1500. **FUNDAMENTALS OF EMERGENCY MANAGEMENT.** (3-3-0). This course provides comprehensive coverage of the major topics that prospective emergency managers should understand about the way human systems attempt to cope with extreme events in their physical and social environments.
2000. **PERSONNEL MANAGEMENT.** (3-3-0). This course examines relationships and issues in personnel administration and human resource development with the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline and collective bargaining.
2100. **HOMELAND SECURITY AND EMERGENCY MANAGEMENT.** (3-3-0). The focus is on U.S. policies and programs to address the hazard posed by international and domestic terrorism, particularly the risks posed by "weapons of mass destruction," since the attacks on the World Trade Center and the Pentagon on September 11, 2001.

2200. **FIRE DEPARTMENT ADMINISTRATION.** (3-3-0). An introduction to the organization and management of a fire department and the relationship of government agencies to the fire service. Emphasis on fire service leadership from the perspective of the company officer.
2250. **CONCEPTS OF EMERGENCY MEDICAL SERVICE.** (3-3-0). This course will explore the history of emergency medical services, from its beginning during Napoleon's rule, the creation of the International Red Cross, the advancement during the civil war, the "load and go" philosophy of the 1960's and the highly trained emergency medical technicians of today.
2400. **INTRODUCTION TO CORPORATE AND MUNICIPAL EMERGENCY MANAGEMENT.** (3-3-0). This course examines regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures, and program evaluation.
2500. **SOCIAL DIMENSIONS OF DISASTER.** (3-3-0). An examination of disasters and disaster management and its impact on society is explored. Community evacuation behavior, non-victim responses to disaster, crisis decision making, disaster recovery and community change are a few of the topics discussed during the course.
2550. **HAZARDS RISK ASSESSMENT METHODS.** (3-3-0). The overall goal of this course is to contribute to the reduction of the growing toll (death and injuries, property loss, environmental degradation, etc) of disasters in the United States by providing and understanding of a process (the hazards risk management process) that provides a framework that may be applied at all levels of communities and governments, to identify, analyze, consider, implement and monitor a wide range of measures that can contribute to their well being.
2700. **PLANNING AND DECISION MAKING IN PUBLIC ORGANIZATIONS.** (3-3-0). This course looks at strategic management inputs, strategy formulation and strategy implementation in order to assist the student in arriving at the correct decision in public organizations.
2900. **MANAGERIAL ISSUES IN HAZARDOUS MATERIALS.** (3-3-0). This course examines regulatory issues, hazard analysis, multi-agency contingency planning, response personnel, multi-agency response resources, agency policies, procedures and implementation, public education and emergency information systems, health and safety, command post dynamics, strategic and tactical considerations, recovery and termination procedures and program evaluation.
3400. **CRISIS INTERVENTION MANAGEMENT.** (3-3-0). We live in an area in which sudden and unpredictable crisis and traumatic events have become the familiar subjects of every day news. An examination of rapid lethality assessments, timely crisis intervention, and trauma treatment in the 21st century will be examined.
3600. **MANAGING BEHAVIOR IN PUBLIC ORGANIZATIONS.** (3-3-0). This course is a comprehensive study of management functions and processes as applied to public organizations. The course is designed to provide students with the knowledge to understand the challenge of managing a government organization. Relevant topics will be explored to include effective and ineffective practices in government. Prerequisite: Junior standing or consent of instructor.
3700. **DISASTER RESPONSE OPERATIONS AND MANAGEMENT.** (3-3-0). This course covers the basic concepts and operational procedures and authorities involved in responding to major disasters. Topics include federal, state, and local roles and responsibilities in major disaster recovery work with an emphasis on governmental coordination. Upon completion, students should be able to implement a disaster plan and assess the needs of those involved in a major disaster.

- 4000. SEMINAR IN CURRENT TOPICS IN UNIFIED PUBLIC SAFETY ADMINISTRATION.** (3-3-0). Seminar in selected, current topic. Topics will vary from semester to semester. Students will present a well-researched paper and complete an exam in the specific topic. Course may be taken a maximum of two times. Scheduled by arrangement of instructor only. Prerequisite: Junior or senior standing or consent of instructor.
- 4100. FINANCIAL MANAGEMENT AND BUDGETING.** (3-3-0). This course is a comprehensive study of the functions and processes as applied to financial and managerial accounting within the public sector. The course deals with selected aspects of federal, state, and local government financial management. The course will examine fund accounting, cost analysis, capital budgeting, debt issuance and management, and asset management. Prerequisite: Junior standing or consent of instructor.
- 4200. COMPARATIVE RESEARCH AND ANALYSIS IN EMERGENCY MANAGEMENT.** (3-3-0). A multi-disciplinary review of research in the field of emergency management and analysis of the methods and techniques used in the research.
- 4300. FIRE SERVICE ADMINISTRATION AND MANAGEMENT.** (3-3-0). This course examines organizational and leadership tools for fire service administrators, including community approaches to administration, core skills, planning and implementation, leading change, and community risk management.
- 4350. EMERGENCY MEDICAL RESPONSE PLANNING.** (3-3-0). This course addresses the application of professional skills in disaster response, the impacts of disasters on public health and the healthcare system, how disaster responses are organized, the creation of a family emergency plan, coping with the stresses of disaster response, emergency procedures at medical facilities and emergency sites and effective utilization of volunteers to assist during disasters and afterwards.
- 4400. LAW AND PUBLIC POLICY.** (3-3-0). A study of the concepts and processes of public policy formulation with direct application to the Unified Public Safety Administration system at the local, state, and federal levels. The role of and impact on the components of the UPSA system in and by public policy formulation will be examined.
- 4480. SENIOR SEMINAR.** (2-2-0). This course is an integration of all academic learning, knowledge and skills that provide students a total understanding of the Unified Public Safety Administration. Furthermore, this course provides a venue for students to meet with Unified Public Safety Administration faculty for culmination purposes, such as preparation for senior testing, preparation for graduation, or preparation for entering Unified Public Safety Administration agencies. Prerequisite: Graduating senior.
- 4600. PRACTICUM IN UNIFIED PUBLIC SAFETY ADMINISTRATION.** (3-0-0). This course will give selected UPSA students an opportunity to observe and participate in the public safety system. The student will spend an average of 6 hours each week in the field at a designated organization. Practicum students are expected to relate what they have learned in the practicum in the research paper to be submitted to their instructor prior to the end of the semester. Prerequisite: UPSA major, senior standing, 3.0 GPA in major, and approval by criminal justice advisor.
- 4700. VENUE AND EVENT SECURITY.** (3-3-0). A comprehensive examination and analysis of events and venue security from the varied perspectives of event stakeholders; application of principles of Homeland Security within local jurisdiction protocols; event matrix construction; and assessment of social, institutional and political implications of mass gatherings and events. Prerequisite: 1500 or consent of instructor.

UNIVERSITY STUDIES (UNIV)

For Undergraduates Only

- 1000. THE UNIVERSITY EXPERIENCE.** (1-1-0). This course is designed to ease students' transition to the University experience. The focus is primarily on career development, the academic advising process, and academic regulations/requirements. New students will be exposed to a wealth of University programs and services, including, but not limited to: engagement in student affairs, financial aid regulations, Department of Education compliance, and awareness of the numerous student organizations and activities at Northwestern State University.

VETERINARY TECHNOLOGY (VTEC)

For Undergraduates Only

- 1010. INTRODUCTORY VETERINARY TECHNOLOGY I.** (2-2-0). General animal breeds, animal restraints, taking a patient history, physical examination of the animal, public relations, office administrations, and ethics and jurisprudence.
- 1011. INTRODUCTORY VETERINARY TECHNOLOGY I LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 1010.
- 1020. MEDICAL TERMINOLOGY.** (2-2-0). Breaking down and defining common medical terms used in effective communication. Same as Allied Health 1020.
- 1030. INTRODUCTORY VETERINARY TECHNOLOGY II.** (2-2-0). Medical nursing, diagnostic sampling, and treatment techniques of small animals, horses, farm animals, and laboratory and exotic animals. Prerequisite: 1010-1011.
- 1031. INTRODUCTORY VETERINARY TECHNOLOGY II LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 1030.
- 2060. PHARMACOLOGICAL CALCULATIONS.** (1-1-0). General mathematics used by medical personnel involved in calculating dosages on common drugs, reading drug orders and labels, intravenous flow rates, and systems of measure. Prerequisite: Mathematics 1020.
- 2090. VETERINARY ANATOMY AND PHYSIOLOGY.** (3-3-0). Gross anatomy of domestic animals; how each organ system functions. Prerequisite: Registration in or credit for 2091.
- 2091. VETERINARY ANATOMY AND PHYSIOLOGY LABORATORY.** (1-0-4). Prerequisite: Registration in or credit for 2090.
- 2600. ANIMAL CARE AND HEALTH.** (2-2-0). Basic nutrition of animals; kennel sanitation and maintenance; emergency situations; herd health.
- 2900. VETERINARY TECHNOLOGY INTERNSHIP.** (12-0-0). Laboratory 40 hours per week. One semester of clinical training under the supervision of a doctor of veterinary medicine approved by the Department of Life Science. Unless otherwise approved by the Department, clinical training must take place at Louisiana State University School of Veterinary Medicine Teaching Hospital and Clinics in Baton Rouge, Louisiana. Students should complete 2190-2191, 2200-2201 within one year prior to registering for 2900 or have consent of the Department.
- 3010. DISEASES OF ANIMALS.** (3-3-0). Major diseases of the equine and companion animals including pathophysiology, etiology, and prevention. Prerequisite: Approval of instructor.
- 3100. GENERAL VETERINARY PARASITOLOGY.** (2-3-0). Ecto and endoparasites of animals; parasites of public health importance; control measures. Prerequisite: Registration in or credit for 3101; Biology 1010-1011, 1020-1021.
- 3101. GENERAL VETERINARY PARASITOLOGY LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3100.

3190. **VETERINARY HOSPITAL TECHNOLOGY I.** (2-2-0). Theory and techniques of hematology, urology, serology, cytology, bacteriology, and mycology. Prerequisite: Registration in or credit for 3191; Biology 1020-1021.
3191. **VETERINARY HOSPITAL TECHNOLOGY I LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3190.
3200. **VETERINARY HOSPITAL TECHNOLOGY II.** (2-2-0). Applied pharmacology, anesthesiology and surgical nursing. Pre-and post-operative care of animals. Prerequisites: Grade of C or better in 3190-3191, and 2090-2091, registration in or credit for 3201.
3201. **VETERINARY HOSPITAL TECHNOLOGY II LABORATORY.** (2-0-4). Prerequisite: Registration in or credit for 3200.
3700. **VETERINARY RADIOLOGY AND IMAGING.** (2-2-0). Theory and application of radiological principles. Prerequisites: Grade of C or better in 2090-2091, registration in or credit for 3701.
3701. **VETERINARY RADIOLOGY AND IMAGING LABORATORY.** (1-0-2). Prerequisite: Registration in or credit for 3700.
4090. **VETERINARY CLINICAL PHARMACOLOGY.** (3-3-0). The science of veterinary pharmacology, including the types and actions of drugs used in veterinary medicine, indications and contraindications for these drugs, pharmacokinetics, pharmacodynamics, drug toxicity, pharmacological jurisprudence, and client education techniques. Prerequisite: 2060, 2090-2091.
4200. **VETERINARY TECHNOLOGY COMPREHENSIVE REVIEW.** (3-3-0). Comprehensive review of veterinary technology from basic to clinical sciences, pertaining to multiple animal species, including diagnostics and clinical applications, professional practices and issues. This course is designed to assist in preparing for board certification examination of veterinary technicians/technologists, and should be the final VTEC course taken to complete degree requirements. Prerequisite: All other required VTEC courses except VTEC 4900.
4900. **VETERINARY TECHNOLOGY SPECIALTY INTERNSHIP.** (6-0-6). 240 hours of clinical training under the supervision of a doctor of veterinary medicine or a credentialed veterinary technician approved by the Department of Biological and Physical Sciences. The goal of this internship is to expand veterinary exposure and offer added value options in specialized tracks, such as Laboratory Animal Medicine, Exotic Animal Medicine, Practice Management/Business, Research, Education, Emergency/Critical Care, Anesthesia, Clinical Laboratory Medicine, Dentistry, or Internal Medicine. Please see your advisor one semester prior to registration for this course so that site arrangements may be developed in a timely manner. Directed general course electives should assist in preparing the student for this course. Prerequisite: Completion of all other required VTEC courses through 3000 level.

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CHRIS LANSDELL, M.S.	Assistant Athletic Director/Marketing and Promotions
TODD GARZARELLI, M.S.	Associate Athletic Director/External Relations
JACK SMITH, M.S.	Director, Athletic Facilities
DOUG IRELAND, B.A.	Assistant Athletic Director/Media Relations
ROXANNE FREEMAN, B.S.	Athletic Business Manager
DUSTIN EUBANKS, M.S.	Assistant Athletic Director/Compliance
LANE BURROUGHS, M.A.	Head Coach, Baseball
JAY THOMAS, M.S.	Head Coach, Football
J. MICHAEL McCONATHY, M.S.	Head Coach, Men's Basketball
LEON JOHNSON, M.Ed.	Head Coach, Men's Track and Cross Country
MIKE HEIMERMAN, M.Ed.	Head Coach, Women's Track
BROOKE STOEHR, M.S.	Co-Head Coach, Women's Basketball
SCOTT STOEHR, M.S.	Co-Head Coach, Women's Basketball
GEORGE VAN LINDER, B.S.	Head Coach, Women's Soccer
DONALD PICKETT, B.S.	Head Coach, Women's Softball
PATRIC DUBOIS, M.S.	Assistant Athletic Director/Special Projects, Head Coach, Women's Tennis
HUGH HERNESMAN, M.S.	Co-Head Coach, Women's Volleyball
STEPHANIE HERNESMAN, B.S.	Co-Head Coach, Women's Volleyball
JASON DRURY, M.S.	Head Athletic Trainer
KYLE BARNARD, M.S.	Athletic Ticket Manager
CARRIE CROWELL, M.S.	Senior Women Administrator/Head Academic Coordinator
KELEE GRIMES, B.S.	Assistant Academic Coordinator

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Ed.D., Stephen F. Austin University	
WELLS-AVERY, MARCIA	Professor of Nursing
Ed.D., Harvard University	
WERNET, MARY LINN	Associate Professor; Head Archivist, Watson Library
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WOLFFE, LISA K.	Professor of Romance Languages
Ph.D., University of Texas	
WOOD, BENJAMIN	Assistant Professor of Radiologic Sciences
M.S.R.S., Midwestern State University	
WOODARD, BRENDA R.	Professor of Veterinary Technology
D.V.M., Louisiana State University	
WOODS, LYNN	Professor of Hospitality Management and Tourism
Ph.D., University of Southern Mississippi	
WRIGHT, SARAH.....	Instructor of Computer Information Systems
M.S., Nova Southeastern	
WYNDER, RAMONA	Instructor of Education
M.Ed., Northwestern State University	
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M.F.A., University of Victoria, Canada	
YANG, FRANCIS	Assistant Professor of Music
D.M.A., University of Montreal	
YANKOWSKI, MICHAEL T.	Professor of Art
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NORTHWESTERN LABORATORY SCHOOL

ANDERSON, JENNIFER Ed.S., Northwestern State University	Mathematics, 6-7th Year Level
ARMSTRONG, TRACY M.S.W., Tulane University, New Orleans, LCSW	Counselor – Elementary and Middle Laboratory School
BEAUBOEUF, DONNA M.Ed., Grand Canyon University	1st Year Level
BELLOW, LISA B.A., American Intercontinental University	Art
BOSTICK, LISA M.Ed., Northwestern State University	5th Year Level
BREEDLOVE, PHYLLIS M.Ed., Northwestern State University	2nd Year Level
CARROLL, LAURIE M.A., Northwestern State University	Librarian, Middle Laboratory School; Language Arts, 6th Year Level
COLEMAN, CARON M.Ed., McNeese State University	Principal, Elementary Laboratory School, K- 5th Year
DODSON, MATTHEW B. M.A., University of Phoenix	Physical Education, 6th,7th, 8th Year Level
DUNAHOE, DANIELLE M.Ed., Northwestern State University	3rd Year Level
DUNN, MELISSA M.Ed., Northwestern State University	Reading , Language Arts, 7th , 8th Year Level
EDWARDS, CRYSTALYN M.A., Northwestern State University	Science, 6th, 7th, 8th Year Level
GUILLORY, DONNA B.G.S., Northwestern State University	Mathematics, 6th, 7th, 8th Year Level
HENDRICKS, CASEY M.Ed., Northwestern State University	Social Studies, 6th, 7th, 8th Year Level
HICKS, SHAWNA B.S., Northwestern State University	Art, Voc. Home Economics, Science 6th, 7th, 8th Year Level
LaCOUR, KATRICE B.S., Grambling State University	Talented, 5th, 6th, 7th, 8th Year Level
LaGRONE, BEN H. M.Ed. +30, Northwestern State University	Principal, Middle Laboratory School; 6th, 7th, 8th Year level
McCLUNG, PHILIP M.Ed., Northwestern State University	Language Arts, Reading, Social Studies, 8th Year Level
MOORE, AMY M.Ed., University of Missouri, Columbia	3rd Year Level
MURPHY, ANDREA M.Ed., Northwestern State University	Mathematics & PLTW, 6th, 7th, 8th Year Level
NICHOLSON, MICAH M.Ed., Northwestern State University	Physical Education, K - 5th Year Level
PENROD, AMANDA M.Ed., Louisiana State University Health Sciences Center	Speech Pathologist
RALSTON, DEBBIE M.Ed., Northwestern State University	Kindergarten
ROBERTSON, SHONRIKA M.Ed., Northwestern State University	Special Education Resource 6th, 7th, 8th Year Level
STEWART, CASEY M.Ed., Northwestern State University	2nd Year Level
TODTENBIER, ERIKA M.Ed., University of Phoenix	1st Year Level
VANSICKLE, MARY M.Ed., Northwestern State University	Gifted
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WARNER, SHEILA M.Ed., Northwestern State University	Kindergarten
WIGGINS, LISA M.Ed., Louisiana State University	Media Specialist

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